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DESCRIPTION

2,3-DIHYDRO-6-NITROIMIDAZO[2,1-b]OXAZOLE COMPOUND

TECHNICAL FIELD

The present invention relates to a 2,3-dihydroimidazo[2,1-b]oxazole compound.

BACKGROUND ART

5 From among acid-fast bacteria, human Mycobacterium tuberculosis has been widely known. It is said that the one-third of the human population is infected with this bacterium. In addition to the human Mycobacterium tuberculosis, Mycobacterium africanum and 10 Mycobacterium bovis have also been known to belong to the Mycobacterium tuberoculosis group. These bacteria are known as Mycobacteria having a strong pathogenicity to humans.

Against these tuberculoses, treatment is 15 carried out using three agents, rifampicin, isoniazid, and ethambutol (or streptomycin) that are regarded as first-line agents, or using four agents such as the above three agents and pyrazinamide.

However, since the treatment of tuberculosis 20 requires extremely long-term administration of agents, it might result in poor compliance, and the treatment often ends in failure.

Moreover, in respect of the above agents, it

has been reported that: rifampicin causes hepatopathy, flu syndrome, drug allergy, and its concomitant administration with other drugs is contraindicated due to P450-associated enzyme induction; that isoniazid
5 causes peripheral nervous system disorder and induces serious hepatopathy when used in combination with rifampicin; that ethambutol brings on failure of eyesight due to optic nerve disorder; that streptomycin brings on diminution of the hearing faculty due to the
10 8th cranial nerve disorder; and that pyrazinamide causes adverse reactions such a hepatopathy, gouty attack associated with increase of uric acid level, vomiting (A Clinician's Guide To Tuberculosis, Michael D. Iseman 2000 by Lippincott Williams & Wilkins,
15 printed in the USA, ISBN 0-7817-1749-3, Tuberculosis, 2nd edition, Fumiyuki Kuze and Takahide Izumi, Igaku-Shoin Ltd., 1992).

Actually, it has been reported that cases where the standard chemotherapy could not be carried
20 out due to the adverse reactions to these agents made up 70% (approximately 23%, 52 cases) of the total cases where administration of the agents was discontinued (the total 228 hospitalized patients who were subject to the research) (Kekkaku, Vol. 74, 77-82, 1999).

25 In particular, hepatotoxicity, which is induced by rifampicin, isoniazid, and ethambutol out of the 5 agents used in combination for the aforementioned first-line treatment, is known as an adverse reaction

that is developed most frequently. At the same time, Mycobacterium tuberculosis resistant to antitubercular agents, multi-drug-resistant Mycobacterium tuberculosis, and the like have been increasing, and
5 the presence of these types of Mycobacterium tuberculosis makes the treatment more difficult.

According to the investigation made by WHO (1996 to 1999), the proportion of Mycobacterium tuberculosis that is resistant to any of the existing
10 antitubercular agents to the total types of Mycobacterium tuberculosis that have been isolated over the world reaches 19%, and it has been published that the proportion of multi-drug-resistant Mycobacterium tuberculosis is 5.1%. The number of carriers infected
15 with such multi-drug-resistant Mycobacterium tuberculosis is estimated to be 60,000,000, and concerns are still rising that multi-drug-resistant Mycobacterium tuberculosis will increase in the future (April 2001 as a supplement to the journal
20 Tuberculosis, the "Scientific Blueprint for TB Drug Development.")

In addition, the major cause of death of AIDS patients is tuberculosis. It has been reported that the number of humans suffering from both tuberculosis
25 and HIV reaches 10,700,000 at the time of year 1997 (Global Alliance for TB drug development). Moreover, it is considered that the mixed infection of tuberculosis and HIV has an at least 30 times higher

risk of developing tuberculosis than the ordinary circumstances.

Taking into consideration the aforementioned current situation, the profiles of the desired antitubercular agent is as follows: (1) an agent, which is effective even for multi-drug-resistant Mycobacterium tuberculosis, (2) an agent enabling a short-term chemotherapy, (3) an agent with fewer adverse reactions, (4) an agent showing an efficacy to latent infecting Mycobacterium tuberculosis (i.e., latent Mycobacterium tuberculosis), and (5) an orally administrable agent.

Examples of bacteria known to have a pathogenicity to humans include offending bacteria of recently increasing MAC infection (Mycobacterium avium-intracellulare complex infection) such as Mycobacterium avium and Mycobacterium intracellulare, and atypical acid-fast bacteria such as Mycobacterium kansasii, Mycobacterium marinum, Mycobacterium simiae, Mycobacterium scrofulaceum, Mycobacterium szulgai, Mycobacterium xenopi, Mycobacterium malmoense, Mycobacterium haemophilum, Mycobacterium ulcerans, Mycobacterium shimoidei, Mycobacterium fortuitum, Mycobacterium chelonae, Mycobacterium smegmatis, and Mycobacterium aurum.

Nowadays, there are few therapeutic agents effective for these atypical acid-fast bacterial infections. Under the presence circumstances,

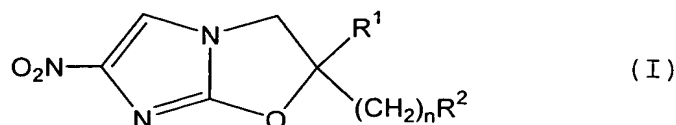
antitubercular agents such as rifampicin, isoniazid, ethambutol, streptomycin and kanamycin, a new quinolone agent that is a therapeutic agent for common bacterial infections, macrolide antibiotics, aminoglycoside
5 antibiotics, and tetracycline antibiotics are used in combination.

However, when compared with the treatment of common bacterial infections, the treatment of atypical acid-fast bacterial infections requires a long-term
10 administration of agents, and there have been reported cases where the infection is changed to an intractable one, finally leading to death. To break the aforementioned current situation, the development of an agent having a stronger efficacy is desired.

15 For example, National Publication of International Patent Application No. 11-508270 (W097/01562) discloses that a 6-nitro-1,2,3,4-tetrahydro[2,1-b]-imidazopyran compound has a bactericidal action in vitro to Mycobacterium tuberculosis (H37Rv strain) and
20 multi-drug-resistant Mycobacterium tuberculosis, and that the above compound has a therapeutic effect to a tuberculosis-infected animal model when it is orally administered and thus useful as antitubercular agent.

However, the compound described in the above
25 publication differs from the compound of the present invention in terms of the basic skeleton, and it is considered to be a compound nonsimilar to the inventive compound.

Kuppsuwamy Nagarajan et al. have reported on European Journal of Medicinal Chemistry, 1989, Vol. 24, pp.631-633 that compounds represented by the following general formula (I):



5 wherein R¹ represents a hydrogen atom or methyl group and -(CH₂)_nR² represents a chloromethyl group, C1-C7 alkyl group, isopropoxymethyl group, 3-propenyloxy-methyl group, or unsubstituted phenoxy-methyl group, and compounds represented by the same above general formula
10 (I), wherein R¹ and -(CH₂)_nR² bind to each other to form a cyclopentane or cyclohexane ring (16 types of compounds in total) have a bactericidal action to Mycobacterium tuberculosis (H37Rv strain).

However, the above publication describes that
15 only the 4 types of compounds out of the above compounds are effective when they are orally administered. It also describes that the compound having the highest activity, that is, the compound (CGI-17341) represented by the above general formula
20 (I) wherein R¹ represents a hydrogen atom and -(CH₂)_nR² represents ethyl, was found to have mutagenicity, and that accordingly, the development of these series of compounds as agents were abandoned.

In addition, Dilip R. Astekar et al. have reported on Antimicrobial Agents and Chemotherapy, Feb. 1993, pp. 183-186 about the antimicrobial profile of the above compound CGI-17341. According to the report,
5 the compound CGI-17341 has a bactericidal action to Mycobacterium tuberculosis (H37Rv strain) and multi-drug-resistant Mycobacterium tuberculosis, but it does not have the activity to atypical acid-fast bacteria, M. avium, M. intracellulare, and M. fortuitum when it
10 is used at 250 µg/ml or less.

DISCLOSURE OF THE INVENTION

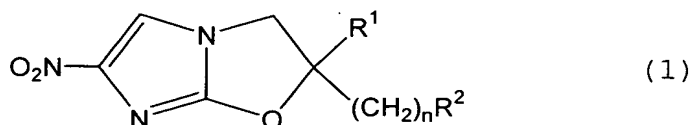
It is an object of the present invention to provide a compound having an excellent bactericidal action to Mycobacterium tuberculosis and multi-drug-
15 resistant Mycobacterium tuberculosis.

It is another object of the present invention to provide a compound having an excellent bactericidal action to atypical acid-fast bacteria.

As a result of intensive studies, the present
20 inventors have succeeded in synthesizing a novel 2,3-dihydroimidazo[2,1-b]oxazole compound, which has an excellent bactericidal action to Mycobacterium tuberculosis, multi-drug-resistant Mycobacterium tuberculosis, and atypical acid-fast bacteria. The
25 present invention have completed based on such findings.

The present invention provides a 2,3-dihydro-

6-nitroimidazo[2,1-b]oxazole compound represented by the following general formula (1), optically active form thereof, or pharmaceutically acceptable salt thereof:



5 wherein R^1 represents a hydrogen atom or C1-6 alkyl group, n represents an integer of 0 to 6, and R^2 represents a group represented by general formula (A), (B), (C), (D), (E), (F) or (G) indicated below, and further, R^1 and $-(CH_2)_nR^2$ may bind to each other together
 10 with carbon atoms adjacent thereto through nitrogen atoms, so as to form a spiro ring represented by general formula (H) indicated below.

General formulas (A) - (H) will be described as follows:

15 a group represented by the following general formula (A):



wherein R^3 represents:

- A1) hydrogen atom;
- 20 A2) C1-6 alkyl group;
- A3) C1-6 alkoxy-C1-6 alkyl group
- A4) phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group

selected from the group consisting of a phenyl C1-6 alkoxy group, a halogen-substituted or unsubstituted C1-6 alkyl group, a halogen-substituted or unsubstituted C1-6 alkoxy group, and a phenoxy group which may
 5 have, as a substituent, at least one halogen-substituted or unsubstituted C1-6 alkoxy group on the phenyl ring);

A5) biphenyl C1-6 alkyl group;

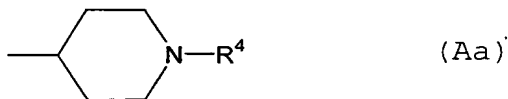
A6) phenyl C2-6 alkenyl group:

10 A7) C1-6 alkylsulfonyl group;

A8) benzenesulfonyl group which may be substituted by a C1-6 alkyl group;

A9) C1-6 alkanoyl group;

A10) a group represented by the following
 15 general formula (Aa):



wherein R⁴ represents a C1-6 alkoxy carbonyl group; phenyl C1-6 alkoxy carbonyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a phenyl C1-6 alkoxy group, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group); or phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting
 20 of a phenyl C1-6 alkoxy group, a halogen-substituted or
 25 of a phenyl C1-6 alkoxy group, a halogen-substituted or

unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

A11) biphenyl C1-6 alkoxycarbonyl group;

A12) benzoxazolyl C1-6 alkyl group (which may
5 be substituted on the benzoxazole ring by at least one
oxo group as a substituent);

A13) benzoxazolyl group; or

A14) oxazolyl C1-6 alkyl group (which may be
substituted on the oxazole ring by at least one group
10 selected from the group consisting of a phenyl group
and C1-6 alkyl group as a substituent),

a group represented by the following general
formula (B):

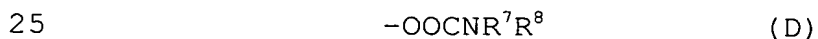


15 wherein R^5 represents a tetrazolyl group
(which may be substituted on the tetrazole ring by a
C1-6 alkyl group or phenyl group which may have a
halogen atom as a substituent), or benzoxazolyl group,

a group represented by the following general
20 formula (C):



wherein R^6 represents a C1-6 alkyl group,
a carbamoyloxy group represented by the
following general formula (D):



wherein R^7 and R^8 each identically or
differently represent any one of:

D1) hydrogen atom;

D2) C1-8 alkyl group;

D3) halogen-substituted C1-6 alkyl group;

D4) C1-6 alkoxy carbonyl-C1-6 alkyl group;

D5) C3-8 cycloalkyl group;

5 D6) phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy
10 group);

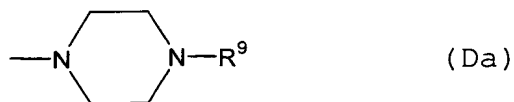
D7) phenyl group (which may be substituted on the phenyl ring by 1 to 3 groups selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, a
15 halogen-substituted or unsubstituted C1-6 alkoxy group, a C1-6 alkanoyl group, a carboxyl group, a C1-6 alkoxy carbonyl group, a phenyl C1-6 alkoxy carbonyl group, a carbamoyl group, a C1-6 alkyl carbamoyl group, an aminosulfonyl group, and a morpholino group);

20 D8) naphthyl group;

D9) pyridyl group; and

D10) R^7 and R^8 may bind to each other together with nitrogen atoms adjacent thereto directly or through other hetero atoms or carbon atoms, so as to
25 form a saturated heterocyclic group shown in any one of (D10-1) to (D10-3) indicated below, or benzene condensed heterocyclic group shown in any one of (D10-4) to (D10-7) indicated below:

(D10-1) piperazinyll group represented by the following general formula (Da):



wherein R^9 represents:

(Da1) hydrogen atom;

5 (Da2) C1-6 alkyl group;

(Da3) phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Da4) phenyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Da5) C1-6 alkoxy carbonyl group;

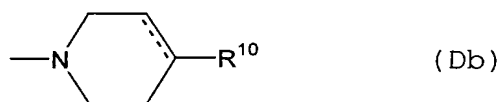
(Da6) phenyl C1-6 alkoxy carbonyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group and a halogen-substituted or unsubstituted C1-6

alkoxy group);

(Da7) phenyl C3-6 alkenyloxycarbonyl group (which may have at least one halogen-substituted or unsubstituted C1-6 alkyl group on the phenyl ring); or

5 (Da8) phenyl C1-6 alkylidene substituted amino group (which may be substituted on the phenyl ring by at least one halogen-substituted or unsubstituted C1-6 alkyl group as a substituent),

(D10-2) a group represented by the following
10 general formula (Db):



wherein the dotted line represents that the bond may be a double bond, and R¹⁰ represents:

(Db1) hydrogen atom;

(Db2) phenyl group (which may be substituted
15 on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

20 (Db3) phenoxy group (which may be substituted on the phenyl ring by at least one halogen-substituted or unsubstituted C1-6 alkyl group); or

(Db4) phenylamino group (which may be substi-

tuted on the phenyl ring by at least one halogen-substituted or unsubstituted C1-6 alkyl group),

(D10-3) morpholino group;

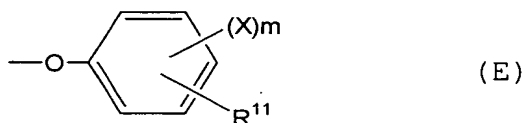
(D10-4) indolinyl group (which may be substituted on the indoline ring by at least one halogen atom as a substituent);

(D10-5) isoindolinyl group (which may be substituted on the isoindoline ring by at least one halogen atom as a substituent);

(D10-6) 1,2,3,4-tetrahydroquinolyl group, (which may be substituted on the 1,2,3,4-tetrahydroquinoline ring by at least one halogen atom as a substituent); and

(D10-7) 1,2,3,4-tetrahydroisoquinolyl group, (which may be substituted on the 1,2,3,4-tetrahydroisoquinoline ring by at least one halogen atom as a substituent),

a phenoxy group represented by the following general formula (E):



wherein X represents a halogen atom or amino substituted C1-6 alkyl group which may have a C1-6 alkyl group as a substituent, m represents an integer of 0 to 3, and R¹¹ represents:

E1) hydrogen atom;

E2) halogen-substituted or unsubstituted C1-6 alkyl group;

E3) halogen-substituted or unsubstituted C1-6
5 alkoxy group;

E4) a group represented by the following general formula (Ea):



wherein W represents a group -CO- or a C1-6
10 alkylene group, o represents an integer of 0 or 1, and
R¹² and R¹³ each identically or differently represent any
one of:

(Ea1) hydrogen atom;

(Ea2) C1-6 alkyl group;

15 (Ea3) C1-6 alkanoyl group;

(Ea4) C1-6 alkoxycarbonyl group;

(Ea5) phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a
20 halogen-substituted or unsubstituted C1-6 alkyl group, a halogen-substituted or unsubstituted C1-6 alkoxy group, and a phenoxy group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-
25 substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group as a substituent), and the alkyl portion may be substituted by a C1-6 alkoxyimino group);

(Ea6) phenyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a
5 halogen-substituted or unsubstituted C1-6 alkoxy group);

(Ea7) benzoyl group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a
10 halogen-substituted or unsubstituted C1-6 alkoxy group);

(Ea8) pyridyl group (which may be substituted on the pyridine ring by at least one halogen atom as a
15 substituent);

(Ea9) phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy
20 group);

(Ea10) phenoxy C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy
25 group); and

(Ea11) benzoyl C1-6 alkyl group (which may be

substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group),

E5) imidazolyl group;

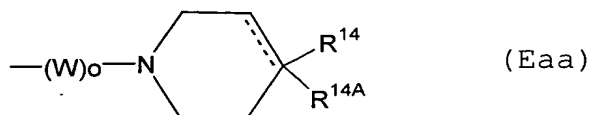
E6) triazolyl group;

E7) morpholino group;

E8) thiomorpholino group;

E9) s-oxide thiomorpholino group;

E10) piperidyl group represented by the following general formula (Eaa):



wherein W and o are the same as above, R^{14A} represents a hydrogen atom, hydroxyl group, C1-6 alkoxy group, or phenyl group (which may be substituted by halogen on the phenyl ring); the dotted line represents that the bond may be a double bond, and when the dotted line represents a double bond, it means that only R^{14} is substituted; R^{14} and R^{14A} may bind to each other together with carbon atoms adjacent thereto to form a C1-4 alkylenedioxy group, and R^{14} represents:

(Eaa1) hydrogen atom;

(Eaa2) C1-6 alkoxy carbonyl group;

(Eaa3) phenoxy group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom; a halogen-substituted or unsubstituted C1-6 alkyl group; a

5 halogen-substituted or unsubstituted C1-6 alkoxy group; a C1-4 alkylenedioxy group; a C1-6 alkoxycarbonyl group; a cyano group; a C2-6 alkenyl group; a nitro group; a phenyl group; an amino group which may have, as a substituent, a group selected from the group

10 consisting of a phenyl group, a C1-6 alkyl group, a carbamoyl group and a C1-6 alkanoyl group; a C1-6 alkanoyl-substituted C1-6 alkyl group; a hydroxyl group; a C1-6 alkoxycarbonyl-substituted C1-6 alkyl group; a phenyl C1-6 alkyl group; a C1-6 alkanoyl

15 group; a C1-6 alkylthio group; a 1,2,4-triazolyl group; an isoxazolyl group; an imidazolyl group; a benzo-thiazolyl group; a 2H-benzotriazolyl group; a pyrrolyl group; a benzoxazolyl group; a piperazinyl group (which may be substituted on the piperazine ring by at least

20 one group selected from the group consisting of a C1-6 alkoxycarbonyl group and a phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted

25 C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group) as a substituent); a piperidinyl group (which may be substituted on the piperidine ring by at least one group selected from the

group consisting of an amino group (which may be substituted on the amino group by at least one group selected from the group consisting of a C1-6 alkyl group and a phenyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group) as a substituent); and a carbamoyl group));

10 (Eaa4) hydroxyl group;

(Eaa5) carboxy group;

(Eaa6) phenyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a phenoxy group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group as a substituent), a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group as a substituent);

(Eaa7) C1-6 alkoxy group;

(Eaa8) C3-8 cycloalkyl-C1-6 alkoxy group;

25 (Eaa9) phenylcarbamoyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group,

and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Eaa10) tetrahydropyranyloxy group;

(Eaa11) 1,3-dioxolanyl group;

5 (Eaa12) oxo group;

(Eaa13) naphthyloxy group (which may be substituted on the naphthalene ring by at least one C1-6 alkyl group as a substituent);

10 (Eaa14) 2,3-dihydrobenzofuryloxy group (which may be substituted on the 2,3-dihydrobenzofuran ring by at least one group selected from the group consisting of a C1-6 alkyl group and an oxo group);

(Eaa15) benzothiazolyloxy group (which may be substituted on the benzothiazole ring by at least one
15 C1-6 alkyl group);

(Eaa16) 1,2,3,4-tetrahydronaphthyloxy group (which may be substituted on the 1,2,3,4-tetrahydronaphthalene ring by at least one oxo group as a substituent);

20 (Eaa17) 1,3-benzoxathiolanyloxy group (which may be substituted on the 1,3-benzoxathiolan ring by at least one oxo group as a substituent);

(Eaa18) isoquinolyloxy group;

(Eaa19) pyridyloxy group;

25 (Eaa20) quinolyloxy group (which may be substituted on the quinoline ring by at least one C1-6 alkyl group as a substituent);

(Eaa21) dibenzofuryloxy group;

(Eaa22) 2H-chromenyloxy group (which may be substituted on the 2H-chromen ring by at least one oxo group as a substituent);

(Eaa23) benzisoxazolyloxy group;

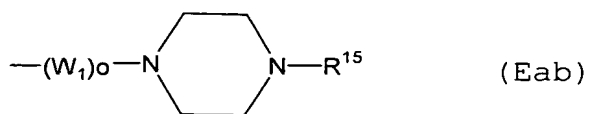
5 (Eaa24) quinoxalyloxy group;

(Eaa25) 2,3-dihydro-1H-indenyloxy group (which may be substituted on the 2,3-dihydro-1H-indene ring by at least one oxo group as a substituent);

(Eaa26) benzofurazanyloxy group; or

10 (Eaa27) phenyl C2-6 alkenyl group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group),

E11) a group represented by the following general formula (Eab):



wherein o is the same as above, W_1 represents a C1-C6 alkylene group and R^{15} represents:

20 (Eab1) hydrogen atom;

(Eab2) C1-6 alkyl group (wherein the alkyl group may be substituted by a morpholino group, benzoyl group, carbamoyl group which may have a C1-6 alkyl

group as a substituent, or cyano group);

(Eab3) C3-8 cycloalkyl group;

(Eab4) phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group
5 selected from the group consisting of a halogen atom, a cyano group, a phenyl group, a nitro group, a C1-6 alkylthio group, a C1-6 alkylsulfonyl group, a phenyl C1-6 alkoxy group, a C2-6 alkanoyloxy group, a halogen-substituted or unsubstituted C1-6 alkyl group, a
10 halogen-substituted or unsubstituted C1-6 alkoxy group, and a 1,2,3-thiadiazolyl group);

(Eab5) C2-6 alkenyl group;

(Eab6) phenyl group (which may be substituted on the phenyl ring by at least one group selected from
15 the group consisting of a halogen atom, a cyano group, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Eab7) C1-6 alkanoyl group;

(Eab8) phenyl C2-6 alkanoyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy
25 group);

(Eab9) benzoyl group (which may be substituted on the benzene ring by at least one group selected from the group consisting of a halogen atom, a

halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Eab10) C1-20 alkoxycarbonyl group (which may
5 be substituted on the alkoxy group by at least one group selected from the group consisting of a halogen atom, an amino group which may have a C1-6 alkyl group as a substituent, and a C1-6 alkoxy-substituted C1-6 alkoxy group);

10 (Eab11) phenyl C1-6 alkoxycarbonyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, a halogen-substituted or unsubsti-
15 tuted C1-6 alkoxy group, a nitro group, a halogen-substituted or unsubstituted C1-6 alkylthio group, an amino group which may have a C1-6 alkanoyl group, a phenyl C1-6 alkoxy group, a C1-6 alkoxycarbonyl group, and a 1,2,3-thiadiazolyl group);

20 (Eab12) a phenyl C3-6 alkenyloxycarbonyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or
25 unsubstituted C1-6 alkoxy group);

(Eab13) phenoxycarbonyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a

halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Eab14) phenyl C1-6 alkylcarbamoyl group

5 (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

10 (Eab15) phenylcarbamoyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Eab16) benzofuryl-substituted C1-6 alkoxy-carbonyl group which may be substituted by at least one halogen atom on the benzofuran ring;

(Eab17) benzothienyl C1-6 alkoxy-carbonyl group (which may be substituted on the benzothiophene ring by at least one group selected from the group consisting of a halogen atom and a halogen-substituted or unsubstituted C1-6 alkoxy group as a substituent);

(Eab18) naphthyl-substituted C1-6 alkoxy-carbonyl group;

(Eab19) pyridyl-substituted C1-6 alkoxy-carbonyl group (which may be substituted on the pyridine ring by at least one halogen atom as a

substituent);

(Eab20) furyl-substituted C1-6 alkoxy-carbonyl group (which may be substituted on the furan ring by at least one nitro group as a substituent);

5 (Eab21) thienyl-substituted C1-6 alkoxy-carbonyl group (which may have at least one halogen atom as a substituent on the thiophene ring);

(Eab22) thiazolyl-substituted C1-6 alkoxy-carbonyl group (which may be substituted on the
10 thiazole ring by at least one group selected from the group consisting of a C1-6 alkyl group and a phenyl group (which may be substituted on the phenyl ring by at least one halogen-substituted or unsubstituted C1-6 alkyl group));

15 (Eab23) tetrazolyl-substituted C1-6 alkoxy-carbonyl group (which may be substituted on the tetrazole ring by at least one group selected from the group consisting of a C1-6 alkyl group and a phenyl group (which may have at least one halogen atom as a
20 substituent on the phenyl ring) as a substituent);

(Eab24) 2,3-dihydro-1H-indenyloxy-carbonyl group;

(Eab25) adamantane-substituted C1-6 alkoxy-carbonyl group;

25 (Eab26) phenyl C3-6 alkynyloxy-carbonyl group;

(Eab27) phenylthio C1-6 alkoxy-carbonyl group;

(Eab28) phenyl C1-6 alkoxy-substituted C1-6 alkoxy-carbonyl group;

(Eab29) C2-6 alkenyloxycarbonyl group;

(Eab30) C2-6 alkynyloxycarbonyl group;

(Eab31) C3-8 cycloalkyl-substituted C1-6 alkoxy-
carbonyl group; or

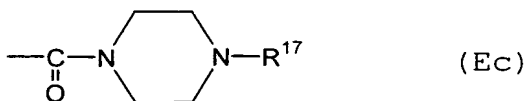
5 (Eab32) benzoyl-substituted C1-6 alkoxy-
carbonyl group,

E12) a group represented by the following
general formula (Eb):



wherein the dotted line represents that the
10 bond may be a double bond, and R¹⁶ is defined as the
same as R¹⁵;

E13) a group represented by the following
general formula (Ec):



wherein R¹⁷ represents:

15 (Ec1) phenyl C1-6 alkyl group (which may be
substituted on the phenyl ring by at least one group
selected from the group consisting of a halogen atom, a
halogen-substituted or unsubstituted C1-6 alkyl group,

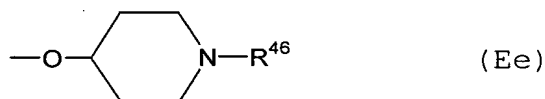
and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Ec2) C1-6 alkoxy carbonyl group; or

(Ec3) phenyl C1-6 alkoxy carbonyl group (which
5 may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group),

10 E14) pyridyl group;

E15) a group represented by the following general formula (Ee):



wherein R⁴⁶ represents a phenyl group (which may be substituted on the phenyl ring by at least one
15 group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group as a substituent); phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at
20 least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group); phenyl C1-6 alkoxy-

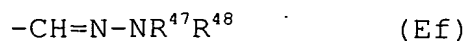
carbonyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group); or C1-6 alkoxy carbonyl group,

E16) phenoxy group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

E17) benzoyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

E18) 8-azabicyclo[3,2,1]octyl group (which may be substituted on the 8-azabicyclo[3,2,1]octane ring by at least one phenoxy group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group) as a substituent);

E19) a group represented by the following general formula (Ef):



wherein R^{47} and R^{48} each identically or differently represent any one of a hydrogen atom, a C1-6 alkyl group, a phenyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group), or a pyridyl group (which may be substituted on the pyridine ring by at least one halogen-substituted or unsubstituted C1-6 alkyl group as a substituent); and further, R^{47} and R^{48} may bind to each other together with nitrogen atoms adjacent thereto directly or through other hetero atoms, so as to form a 5-7 membered saturated heterocyclic ring, which may be substituted on the heterocyclic ring by at least one phenyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group) as a substituent;

E20) phenyl C1-6 alkoxy group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

E21) amino substituted C2-6 alkenyl group
 (which may be substituted on the amino group by at
 least one group selected from the group consisting of a
 C1-6 alkyl group and a phenyl group (which may be
 5 substituted on the phenyl ring by at least one group
 selected from the group consisting of a halogen atom, a
 halogen-substituted or unsubstituted C1-6 alkyl group,
 and a halogen-substituted or unsubstituted C1-6 alkoxy
 group)); or

10 E22) oxazolidinyl group (which may be
 substituted on the oxazolidine ring by at least one oxo
 group as a substituent),

a group represented by the following general
 formula (F):

15
$$-\text{NR}^{19}\text{R}^{20} \quad (\text{F})$$

wherein R^{19} and R^{20} each identically or
 differently represent any one of:

F1) hydrogen atom;

F2) C1-6 alkyl group;

20 F3) phenyl C1-6 alkyl group (which may be
 substituted on the phenyl ring by at least one group
 selected from the group consisting of: a phenoxy group
 (which may be substituted on the phenyl ring by at
 least one group selected from the group consisting of a
 25 halogen atom, a halogen-substituted or unsubstituted
 C1-6 alkyl group, and a halogen-substituted or
 unsubstituted C1-6 alkoxy group); a halogen atom; a
 halogen-substituted or unsubstituted C1-6 alkyl group;

a halogen-substituted or unsubstituted C1-6 alkoxy group; an amino group which may have at least one group selected from the group consisting of a C1-6 alkyl group, and a phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group); a piperazinyl group (which may be substituted on the piperazine ring by at least one phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group) as a substituent); and a piperidyl group (which may be substituted on the piperidine ring by at least one amino group which may have a group selected from the group consisting of a phenyl group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group) and a C1-6 alkyl group as a substituent));

F4) phenoxy C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group,

and a halogen-substituted or unsubstituted C1-6 alkoxy group);

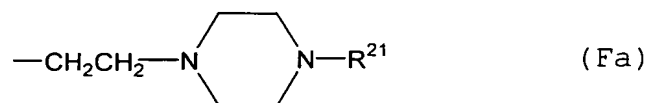
F5) amino C1-6 alkyl group (which may be substituted on the amino group by at least one group
5 selected from the group consisting of a C1-6 alkyl group, a C1-6 alkoxycarbonyl group, and a phenyl group which may be substituted on the phenyl group by at least one group selected from a group consisting of a halogen atom and a halogen-substituted or unsubstituted
10 C1-6 alkyl group);

F6) phenyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a phenoxy group (which may be substituted on the phenyl ring by at
15 least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group), and a C1-6 alkoxy-carbonyl group);

20 F7) C1-6 alkoxycarbonyl group;

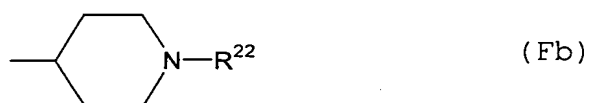
F8) phenyl C1-6 alkoxycarbonyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl
25 group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

F9) a group represented by the following general formula (Fa):



wherein R^{21} represents a C1-6 alkoxy carbonyl group; phenyl C1-6 alkoxy carbonyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a cyano group, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group); phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom and a halogen-substituted or unsubstituted C1-6 alkyl group); or phenyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a cyano group, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

F10) 1-substituted-4-piperidyl group represented by the following formula (Fb):

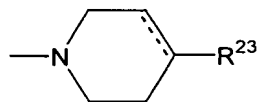


wherein R^{22} represents a C1-6 alkoxy carbonyl group; phenyl C1-6 alkoxy carbonyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a
 5 halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group); or phenyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a cyano group, a
 10 halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

F11) piperidyl C1-6 alkyl group (which may have at least one phenoxy group (which may have at
 15 least one halogen-substituted or unsubstituted C1-6 alkyl group as a substituent) as a substituent);

F12) in addition, R^{19} and R^{20} may bind to each other together with nitrogen atoms adjacent thereto directly or through other hetero atoms or carbon atoms,
 20 so as to form a heterocyclic ring shown in any one of (F12-1) to (F12-10) indicated below:

(F12-1) a group represented by the following formula (Fc):



(Fc)

wherein the dotted line represents that the bond may be a double bond, and R^{23} represents:

(Fc1) C1-6 alkyl group;

(Fc2) phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Fc3) phenyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of: a halogen atom; a halogen-substituted or unsubstituted C1-6 alkyl group; a halogen-substituted or unsubstituted C1-6 alkoxy group; an amino group which may have, as a substituent, a group selected from the group consisting of a C1-6 alkyl group and a phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group); a phenoxy group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group); a phenyl C1-6 alkoxy group (which may be substituted on the phenyl ring by at least one group

selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group); and a piperidyl group (which may have, on the
5 piperidine ring, as a substituent, at least one amino group that may have a group selected from the group consisting of a phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a
10 halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group) and a C1-6 alkyl group));

(Fc4) phenyl C1-6 alkoxy group (which may be substituted on the phenyl ring by at least one group
15 selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Fc5) biphenyl C1-6 alkoxy group;

20 (Fc6) phenyl C3-6 alkenyloxy group which may be substituted on the phenyl ring by at least one halogen atom;

(Fc7) phenoxy group (which may be substituted on the phenyl ring by at least one group selected from
25 the group consisting of a halogen atom, a cyano group, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Fc8) benzoyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a
5 halogen-substituted or unsubstituted C1-6 alkoxy group);

(Fc9) C1-6 alkoxy carbonyl group;

(Fc10) phenyl C1-6 alkoxy carbonyl group (which may be substituted on the phenyl ring by at
10 least one halogen-substituted or unsubstituted C1-6 alkoxy group);

(Fc11) phenyl C1-6 alkyl carbamoyl group wherein at least one halogen may be substituted on the phenyl ring;

15 (Fc12) phenyl carbamoyl group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy
20 group);

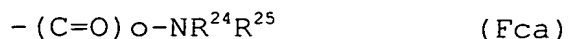
(Fc13) phenylthio group (which may be substituted on the phenyl ring by at least one halogen-substituted or unsubstituted C1-6 alkoxy group);

(Fc14) phenyl sulfoxide (which may be substituted on the phenyl ring by at least one halogen-substituted or unsubstituted C1-6 alkoxy group);
25

(Fc15) pyridyl C1-6 alkoxy group; or

(Fc16) a group represented by the following

general formula (Fca):



wherein o is the same as above, and each of R^{24} and R^{25} represents:

5 (Fca1) hydrogen atom;

(Fca2) C1-6 alkyl group;

(Fca3) phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a
10 halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Fca4) phenyl group (which may be substituted on the phenyl ring by at least one group selected from
15 the group consisting of a halogen atom, a cyano group, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Fca5) C1-6 alkanoyl group;

20 (Fca6) phenyl C2-6 alkanoyl group that may be substituted on the phenyl ring by at least one halogen atom;

(Fca7) benzoyl group (which may be substituted on the phenyl ring by at least one group selected
25 from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Fca8) C1-6 alkoxy carbonyl group;

(Fca9) phenyl C1-6 alkoxy carbonyl group
(which may be substituted on the phenyl ring by at
least one group selected from the group consisting of a
5 halogen atom, a halogen-substituted or unsubstituted
C1-6 alkyl group, and a halogen-substituted or
unsubstituted C1-6 alkoxy group);

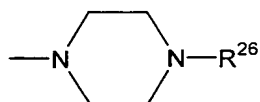
(Fca10) phenyl carbamoyl group (which may be
substituted on the phenyl ring by at least one halogen-
10 substituted or unsubstituted C1-6 alkyl group);

(Fca11) piperidyl oxycarbonyl group (which may
be substituted on the piperidine ring by at least one
phenyl group (which may be substituted on the phenyl
ring by at least one halogen-substituted or unsubsti-
15 tuted C1-6 alkyl group) as a substituent); or

(Fca12) R^{24} and R^{25} may form a 5-6 membered
saturated heterocyclic ring through nitrogen atoms
adjacent thereto, which may be substituted on the
heterocyclic ring by at least one group selected from
20 the group consisting of a C1-6 alkoxy carbonyl group; a
benzoyl group (which may be substituted on the phenyl
ring by at least one group selected from the group
consisting of a halogen atom, a halogen-substituted or
unsubstituted C1-6 alkyl group, and a halogen-
25 substituted or unsubstituted C1-6 alkoxy group); a
phenoxy group (which may be substituted on the phenyl
ring by at least one group selected from the group
consisting of a halogen atom, a halogen-substituted or

unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group); a phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from the group
 5 consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group); a phenyl C1-6 alkoxycarbonyl group (which may be substituted on the phenyl ring by at least one group selected
 10 from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group); a phenyl C2-6 alkenyl group (which may be substituted on the phenyl ring by at least one group
 15 selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group); and a phenyl group (which may be substituted on the phenyl ring by at least one group selected from the
 20 group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group),

(F12-2) 4-substituted-1-piperazinyl group
 25 represented by the following general formula (Fd):



(Fd)

wherein R^{26} represents:

- (Fd1) hydrogen atom;
- (Fd2) C1-6 alkyl group;
- (Fd3) C3-8 cycloalkyl group;
- 5 (Fd4) C3-8 cycloalkyl C1-6 alkyl group;
- (Fd5) C1-6 alkoxy carbonyl C1-6 alkyl group;
- (Fd6) phenyl C2-6 alkenyl group;
- (Fd7) phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by 1 to 3 groups selected from the group consisting of: a halogen atom; a cyano group; a halogen-substituted or unsubstituted C1-6 alkyl group; C3-8 cycloalkyl group; a halogen-substituted or unsubstituted C1-6 alkoxy group; an amino group which may have a C1-6 alkyl group as a substituent; a C1-6 alkoxy carbonyl group; a phenoxy group; a phenyl C1-6 alkyl group; a phenyl C2-6 alkenyl group; a pyridyl group; an imidazolyl group; and a piperidyl group);
- 20 (Fd8) biphenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, a halogen-substituted or unsubstituted C1-6 alkoxy group, and an amino group which may have a C1-6 alkyl group as a substituent);
- 25 (Fd9) naphthyl C1-6 alkyl group;

(Fd10) phenyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of: a halogen atom; a cyano group; an amino group that may have a C1-6 alkyl group as a
5 substituent; a halogen-substituted or unsubstituted C1-6 alkyl group; a halogen-substituted or unsubstituted C1-6 alkoxy group; a C1-6 alkoxycarbonyl group; a carboxyl group, a phenoxy group (which may be substituted on the phenyl ring by at least one group selected
10 from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group); an amino C1-6 alkyl group (which may have on the amino group at least one group selected from the
15 group consisting of a phenyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy
20 group) and a C1-6 alkyl group)); and a phenyl C1-6 alkoxy group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-
25 substituted or unsubstituted C1-6 alkoxy group));

(Fd11) biphenyl group (which may be substituted on the phenyl ring by at least one halogen-substituted or unsubstituted C1-6 alkyl groups);

(Fd12) amino group, amino group which is substituted by a C1-6 alkoxycarbonyl group, phenyl C1-6 alkylamino group (which may be substituted on the phenyl ring by at least one halogen-substituted or
5 unsubstituted C1-6 alkyl group), or phenylamino group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen-substituted or unsubstituted C1-6 alkyl group and a halogen atom);

10 (Fd13) benzoyl C1-6 alkyl group (which may have on the phenyl ring at least one halogen atom as a substituent);

(Fd14) phenylcarbamoyl C1-6 alkyl group (which may be substituted on the phenyl ring by at
15 least one halogen-substituted or unsubstituted C1-6 alkyl group);

(Fd15) thiazolyl C1-6 alkyl group (which may be substituted on the thiazole ring by at least one group selected from the group consisting of a halogen-
20 substituted or unsubstituted phenyl group and a C1-6 alkyl group);

(Fd16) oxazolyl C1-6 alkyl group (which may be substituted on the oxazole ring by at least one group selected from the group consisting of a halogen-
25 substituted or unsubstituted phenyl group and a C1-6 alkyl group);

(Fd17) indolyl C1-6 alkyl group;

(Fd18) furyl C1-6 alkyl group (which may be

substituted on the furan ring by at least one halogen-substituted or unsubstituted phenyl group);

(Fd19) imidazolyl C1-6 alkyl group (which may be substituted on the imidazole ring by a phenyl
5 group);

(Fd20) quinolyl C1-6 alkyl group;

(Fd21) tetrazolyl group (which may be substituted on the tetrazole ring by a phenyl group);

(Fd22) pyrimidyl group which may be substituted by a phenyl group;
10

(Fd23) pyridyl group;

(Fd24) benzoxazolyl group;

(Fd25) benzothiazolyl group;

(Fd26) benzoxazolyl C1-6 alkyl group (which may have on the benzoxazole ring at least one oxo group as a substituent);
15

(Fd27) phenoxy C2-6 alkanoyl group which may be substituted on the phenyl ring by a halogen atom;

(Fd28) phenylthio C2-6 alkanoyl group which may be substituted on the phenyl ring by a halogen
20 atom;

(Fd29) phenyl C2-6 alkanoyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy
25 group);

(Fd30) benzoyl group (which may be substituted

tuted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, a halogen-substituted or unsubstituted C1-6 alkoxy group, and an amino group which may have a C1-6 alkyl group as a substituent);

(Fd31) biphenylylcarbonyl group;

(Fd32) pyridylcarbonyl group;

(Fd33) phenyl C2-6 alkenylcarbonyl group

wherein a halogen atom may be substituted on the phenyl ring;

(Fd34) phenyl C1-6 alkylsulfonyl group

wherein a halogen atom may be substituted on the phenyl ring;

(Fd35) benzenesulfonyl group (which may be substituted on the benzene ring by at least one group selected from the group consisting of a halogen atom and a C1-6 alkyl group);

(Fd36) a group represented by the following general formula (Fda):



wherein R²⁷ represents:

(Fda1) halogen-substituted or unsubstituted C1-8 alkyl group;

(Fda2) C3-8 cycloalkyl group;

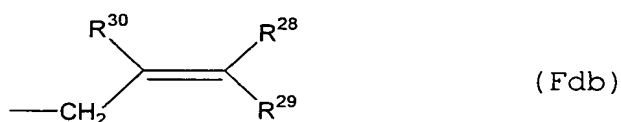
(Fda3) C3-8 cycloalkyl-C1-6 alkyl group;

(Fda4) C1-6 alkoxy-C1-6 alkyl group;

(Fda5) amino-C1-6 alkyl group which may have

a C1-6 alkyl group;

(Fda6) a group represented by the following general formula (Fdb):



wherein R²⁸, R²⁹, and R³⁰ represent a hydrogen
 5 atom, a C1-6 alkyl group, or a phenyl group (which may
 be substituted on the phenyl ring by at least one group
 selected from the group consisting of a halogen atom, a
 halogen-substituted or unsubstituted C1-6 alkyl group,
 and a halogen-substituted or unsubstituted C1-6 alkoxy
 10 group), respectively;

(Fda7) phenyl C1-6 alkyl group (which may be
 substituted on the phenyl ring by 1 to 5 groups
 selected from the group consisting of: a halogen atom;
 a halogen-substituted or unsubstituted C1-6 alkyl
 15 group; a halogen-substituted or unsubstituted C1-6
 alkoxy group; a halogen-substituted or unsubstituted
 C1-6 alkylthio group; a phenyl C1-6 alkoxy group; a
 hydroxy group; a C1-6 alkylsulfinyl group; a C1-6
 alkylsulfonyl group; C1-6 alkylsulfonyloxy group; a
 20 cyano group; a C1-6 alkanoyl group; a benzoyl group; a
 phenyl C1-6 alkyl group which may have a C1-6 alkoxy
 group in the alkyl portion; an amino group; a nitro
 group; a carbamoyl group; a C1-6 alkanoylamino group; a

C1-6 alkoxy carbonyl group; a C1-6 alkylaminocarbonyl group; a C1-6 alkoxy carbonylamino group; a tri-C1-6-alkylsiloxy group; a pyrrolyl group; a tetrahydro-pyranyloxy group; and an imidazolyl group);

5 (Fda8) biphenyl C1-6 alkyl group;

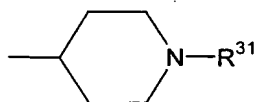
(Fda9) benzhydryl group (which may be substituted on the benzene ring by at least one group selected from the group consisting of a halogen atom, a trifluoromethyl group, and a trifluoromethoxy group);

10 (Fda10) phenoxy C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Fda11) phenyl C2-6 alkynyl group (which may be substituted on the phenyl ring by at least one halogen-substituted or unsubstituted C1-6 alkyl group as a substituent);

20 (Fda12) pyridyl C1-6 alkyl group;

(Fda13) a group represented by the following general formula (Fdc):



(Fdc)

wherein R³¹ represents a phenyl group (which

may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a cyano group, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group); phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group); or benzoyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group),

(Fda14) piperidino C1-6 alkyl group (which may be substituted on the piperidine ring by a phenoxy group which may have at least one halogen-substituted or unsubstituted alkyl group as a substituent on the phenyl ring);

(Fda15) amino C1-6 alkyl group which may have, as a substituent, at least one group selected from the group consisting of a C1-6 alkyl group and a phenyl group which may have, as a substituent, a halogen-substituted or unsubstituted C1-6 alkoxy group on the phenyl ring;

(Fda16) 1,2,3,6-tetrahydropyridyl C1-6 alkyl

group (which may be substituted on the 1,2,3,6-tetrahydropyridine ring by at least one phenyl group which may have, as a substituent, at least one halogen-substituted or unsubstituted C1-6 alkoxy group on the
5 phenyl ring);

(Fda17) naphthyl C1-6 alkyl group;

(Fda18) fluorenyl C1-6 alkyl group;

(Fda19) pyridyl C1-6 alkyl group;

(Fda20) furyl C1-6 alkyl group (which may be
10 substituted on the furan ring by a halogen-substituted or unsubstituted phenyl group);

(Fda21) thienyl C1-6 alkyl group;

(Fda22) oxazolyl C1-6 alkyl group (which may be substituted on the oxazole ring by a halogen atom or
15 a halogen-substituted or unsubstituted phenyl group);

(Fda23) oxadiazolyl C1-6 alkyl group (which may be substituted on the oxadiazole ring by a halogen-substituted or unsubstituted phenyl group);

(Fda24) pyrazolyl C1-6 alkyl group (which may
20 be substituted on the pyrazole ring by a halogen-substituted or unsubstituted phenyl group);

(Fda25) benzothienyl C1-6 alkyl group (which may be substituted on the benzothiophene ring by at least one group selected from the group consisting of a
25 halogen atom and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Fda26) thienyl C1-6 alkyl group that may be substituted on the thiophene ring by a halogen atom;

(Fda27) benzothiazolyl C1-6 alkyl group;

(Fda28) benzofuryl C1-6 alkyl group which may be substituted on the benzofuran ring by a halogen atom;

5 (Fda29) indolyl C1-6 alkyl group (which may be substituted on the indole ring by at least one group selected from the group consisting of a C1-6 alkyl group and an oxo group);

(Fda30) benzoxazolyl C1-6 alkyl group (which
10 may be substituted on the benzoxazole ring by at least one group selected from a group consisting of a halogen atom, a C1-6 alkyl group, and an oxo group);

(Fda31) chromenyl C1-6 alkyl group;

(Fda32) 1,2,3,4-tetrahydroquinolyl C1-6 alkyl
15 group (which may be substituted on the quinoline ring by at least one group selected from the group consisting of a C1-6 alkyl group and an oxo group);

(Fda33) thiazolyl C1-6 alkyl group (which may be substituted on the thiazole ring by at least one
20 group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted phenyl group, and a C1-6 alkyl group); or

(Fda34) tetrazolyl C1-6 alkyl group (which may be substituted on the tetrazole ring by a group
25 selected from the group consisting of a halogen-substituted or unsubstituted phenyl group and a C1-6 alkyl group);

(Fda37) a group represented by the following

general formula (Fe):



wherein Z represents -C=O or -C=S, and R³² and R³³ each identically or differently represent any one

5 of:

(Fe1) hydrogen atom;

(Fe2) C1-6 alkyl group;

(Fe3) C3-8 cycloalkyl group;

(Fe4) phenyl C1-6 alkyl group (which may be
10 substituted on the phenyl ring by at least one group
selected from the group consisting of a halogen atom, a
halogen-substituted or unsubstituted C1-6 alkyl group,
and a halogen-substituted or unsubstituted C1-6 alkoxy
group);

(Fe5) phenyl C2-6 alkenyl group (which may be
15 substituted on the phenyl ring by at least one group
selected from the group consisting of a halogen atom, a
halogen-substituted or unsubstituted C1-6 alkyl group,
and a halogen-substituted or unsubstituted C1-6 alkoxy
20 group);

(Fe6) phenyl group (which may be substituted
on the phenyl ring by at least one group selected from
the group consisting of a halogen atom, a halogen-
substituted or unsubstituted C1-6 alkyl group, and a
25 halogen-substituted or unsubstituted C1-6 alkoxy
group); and

(Fe7) R³² and R³³ may bind to each other
together with nitrogen atoms adjacent thereto through

other carbon atoms, so as to form a piperidine ring or 1,2,3,6-tetrahydropyridine ring, which may be substituted on the piperidine or 1,2,3,6-tetrahydropyridine ring by a phenyl group, which may be substituted at least one group selected from the group consisting of a halogen atom and a halogen-substituted or unsubstituted C1-6 alkyl group,

(Fd38) a group represented by the following general formula (Ff):



wherein R^{34} represents a hydrogen atom or C1-6 lower alkyl group, and R^{35} represents:

(Ff1) C3-8 cycloalkyl group;

(Ff2) C3-8 cycloalkenyl group;

(Ff3) a group represented by the following general formula (Ffa):



wherein each of R^{36} , R^{37} , and R^{38} represents: a hydrogen atom; C1-6 alkyl group; phenyl group (which may be substituted on the phenyl ring by at least one

to 5 groups selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, a halogen-substituted or unsubstituted C1-6 alkoxy group, a C1-4 alkylenedioxy group, a C1-6 alkylsulfonyl group, a halogen-substituted or unsubstituted C1-6 alkylthio group, a nitro group, and an amino group which may have a C1-6 alkanoyl group as a substituent); benzofuryl group (which may be substituted on the benzofuran ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group); biphenyl group; furyl group (which may be substituted on the furan ring by a phenyl group which may have a halogen atom as a substituent); or thiazolyl group (which may be substituted on the thiazole ring by at least one phenyl group which may have a halogen atom as a substituent),

(Ff4) phenyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of: a halogen atom; a halogen-substituted or unsubstituted C1-6 alkyl group; a C3-8 cycloalkyl group; a hydroxyl group; a halogen-substituted or unsubstituted C1-8 alkoxy group; a C3-8 cycloalkoxy group; a C1-4 alkylenedioxy group; a cyano group; a nitro group; a phenyl C2-6 alkenyl group; a C2-6 alkanoyloxy group; an amino group which may have a C1-6 alkanoyl group as a substituent; a C1-6 alkyl-

sulfonylamino group; a phenyl C1-6 alkoxy group; a phenoxy group; an amino group which has at least one C1-6 alkyl group as a substituent; an amino group which has at least one phenyl group as a substituent; an
5 amino C1-6 alkoxy group which may have at least one C1-6 alkyl group as a substituent; a C1-6 alkoxycarbonyl group; a C1-6 alkoxycarbonyl C1-6 alkoxy group; a C1-6 alkylthio group; a pyrrolyl group; an imidazolyl group; a piperidyl group; a morpholino group; a pyrrolidinyl
10 group; a thienyl group; a benzofuryl group; a piperazinyl group (which may be substituted on the piperazine ring by at least one group selected from the group consisting of a C1-6 alkyl group, a phenyl C1-6 alkyl group, and a benzoyl group which may have at
15 least one C1-6 alkyl group as a substituent); a quinolyl group which may be substituted on the quinoline ring by at least one group selected from the group consisting of a C1-6 alkoxy group and an oxo group; a piperidylcarbonyl group which may be substi-
20 tuted on the piperidine ring by a carbostyryl group; and a triazolyl group);

(Ff5) naphthyl group which may be substituted on the naphthalene ring by at least one group selected from the group consisting of a halogen atom, a halogen-
25 substituted or unsubstituted C1-6 alkoxy group, and an amino group which may have a C1-6 alkyl group as a substituent;

(Ff6) biphenyl group (which may be substi-

tuted on the biphenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-9 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Ff7) fluorenyl group; pyrenyl group;

(Ff8) benzofuryl group (which may be substituted on the benzofuran ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Ff9) benzothienyl group (which may be substituted on the benzothiophene ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Ff10) pyridyl group (which may be substituted on the pyridine ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, a phenyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group), a furyl group, and a thienyl group);

(Ff11) furyl group (which may be substituted on the furan ring by 1 to 3 groups selected from the group consisting of a C1-6 alkyl group, a nitro group, and a phenyl group (which may be substituted on the
5 phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, a halogen-substituted or unsubstituted C1-6 alkoxy group, and a nitro group));

10 (Ff12) benzothiazole group (which may have, on the benzothiazole ring, at least one phenyl group that may have, as a substituent, a C1-6 alkoxy group on the phenyl ring);

(Ff13) thienyl group (which may have, on the
15 thiophene ring, at least one group selected from the group consisting of a halogen atom, a nitro group, a C1-6 alkyl group, a pyrazolyl group which may be substituted on the pyrazole ring by at least one halogen-substituted or unsubstituted C1-6 alkyl group
20 as a substituent, and a thienyl group which may have a halogen atom on the thiophene ring);

(Ff14) indolyl group (which may be substituted on the indole ring by at least one group selected from the group consisting of a phenylsulfonyl group
25 which may have a C1-6 alkyl group as a substituent, a phenyl C1-6 alkyl group, a C1-6 alkoxycarbonyl group, and a phenyl group);

(Ff15) pyrrolyl group (which may be substi-

tuted on the pyrrole ring by at least one group selected from the group consisting of a phenyl group which may be substituted by at least one halogen-substituted or unsubstituted C1-6 alkyl group, and a
5 C1-6 alkyl group);

(Ff16) coumaryl group;

(Ff17) benzimidazolyl group (which may be substituted on the benzimidazole ring by at least one thienyl group as a substituent);

10 (Ff18) oxazolyl group (which may be substituted on the oxazole ring by at least one phenyl group that may have a halogen atom as a substituent);

(Ff19) thiazolyl group (which may be substituted on the thiazole ring by at least one phenyl
15 group, wherein at least one group selected from the group consisting of a halogen atom, a nitro group, and a phenyl group);

(Ff20) quinolyl group;

(Ff21) 3,4-dihydrocarbostyril group (which
20 may be substituted on the 3,4-dihydrocarbostyril ring by at least one group selected from the group consisting of a C1-6 alkoxy group, a C1-6 alkyl group, and a phenyl C1-6 alkoxy group), or carbostyril group (which may be substituted on the carbostyril ring by at least
25 one group selected from the group consisting of a C1-6 alkoxy group, a C1-6 alkyl group, and a phenyl C1-6 alkoxy group);

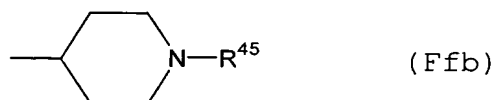
(Ff22) imidazo[2,1-b]thiazolyl group;

(Ff23) imidazo[2,1-a]pyridyl group;

(Ff24) chromanyl group (which may be substituted on the chroman ring by at least one C1-6 alkyl group); or

5 (Ff25) 2,3-dihydrobenzofuryl group, or

(Fd39) a group represented by the following general formula (Ffb):



wherein R^{45} represents: a C1-6 alkoxycarbonyl group; phenyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group); amino substituted C1-6 alkyl group which may have, on the amino group, a group selected from a group consisting of a phenyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group) and a C1-6 alkyl group as a substituent; benzoyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a

halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group); phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by
5 at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group); phenyl C1-6 alkoxy-carbonyl group (which may be substituted on the phenyl
10 ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group); or phenyl C2-6 alkenyl group (which may be substituted on
15 the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group),

20 (F12-3) morpholino group;
(F12-4) imidazolyl group;
(F12-5) 1,4-dioxazaspiro[4,5]decyl group
(which may be substituted on the 1,4-dioxazaspiro-
[4,5]decane ring by at least one oxo group as a
25 substituent);

(F12-6) homopiperaziny1 group (which may be substituted on the homopiperazine ring by at least one group selected from the group consisting of a C1-6

alkoxycarbonyl group, a phenyl C1-6 alkoxycarbonyl group, and a phenyl-substituted or unsubstituted phenyl group as a substituent);

(F12-7) piperazinyl group (which may be substituted on the piperazine ring by at least one group selected from the group consisting of an oxo group, a C1-6 alkyl group, and a phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one halogen-substituted or unsubstituted C1-6 alkyl group));

(F12-8) piperidyl group (which may be substituted on the piperidine ring by at least one oxo group as a substituent);

(F12-9) pyrrolidinyl group (which may be substituted on the pyrrolidine ring by at least one phenoxy C1-6 alkyl group that may have a halogen-substituted or unsubstituted C1-6 alkoxy group as a substituent);

(F12-10) isoindolinyl group, and
F13) moreover, R^{19} and R^{20} may bind to each other together with nitrogen atoms adjacent thereto directly or through hetero atoms, so as to form a cyclic imide or amide shown in any one of (F13-1) to (F13-11) indicated below:

(F13-1) succinimide group;

(F13-2) oxazolidinyl group (which may be substituted on the oxazolidine ring by at least one oxo group as a substituent);

(F13-3) benzo-1,3-oxazolidinyl group (which may be substituted on the benzo-1,3-oxazolidine ring by at least one group selected from the group consisting of an oxo group, a halogen atom, and a phenyl group as
5 a substituent);

(F13-4) imidazolidinyl group (which may be substituted on the imidazolidine ring by at least one group selected from the group consisting of an oxo group, a phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by 1 to 3 groups selected from
10 the group consisting of a halogen atom and a C1-6 alkoxy group), and a phenyl group);

(F13-5) benzimidazolidinyl group (which may be substituted on the benzimidazolidine ring by at
15 least one group selected from the group consisting of: an oxo group; a halogen atom; a halogen-substituted or unsubstituted C1-6 alkyl group; an amino group which may have a C1-6 alkyl group as a substituent; a C1-6 alkoxy carbonyl group; and a piperidyl group (which may
20 be substituted on the piperidine ring by at least one group selected from the group consisting of a C1-6 alkyl group, a phenyl group wherein 1 to 3 halogen atoms may be substituted on the phenyl ring, a C1-6 alkoxy carbonyl group, and a phenyl C1-6 alkoxy carbonyl
25 group as a substituent));

(F13-6) phthalimide group;

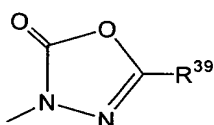
(F13-7) indolinyl group (which may have on the indoline ring at least one group selected from the

group consisting of a C1-6 alkyl group, a halogen atom, and an oxo group as a substituent);

(F13-8) 2,3-dihydrobenzothiazolyl group
(which may have at least one oxo group on the 2,3-
5 dihydrobenzothiazole ring);

(F13-9) 1H-2,4-benzoxaziny1 group (which may be substituted on the 1H-2,4-benzoxazine ring by at least one oxo group as a substituent);

(F13-10) a group represented by the following
10 general formula (Fga):

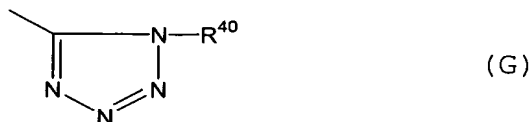


(Fga)

wherein R³⁹ represents: a hydrogen atom; a phenyl C1-6 alkyl group which may have, as a substituent, a halogen atom on the phenyl ring; phenoxy C1-6 alkyl group which may have, as a substituent, a halogen
15 atom on the phenyl ring; phenyl C2-6 alkenyl group which may have, as a substituent, a halogen atom on the phenyl ring; phenyl group which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-
20 substituted or unsubstituted C1-6 alkyl group, a halogen-substituted or unsubstituted C1-6 alkoxy group, and a phenyl group as a substituent; pyridyl group; or pyrazinyl group, and

(F13-11) 1,3-thiazolidinyl group (which may be substituted on the 1,3-thiazolidine ring by at least one group selected from a group consisting of an oxo group and a phenyl C1-6 alkylidene group which may have
 5 a halogen-substituted or unsubstituted C1-6 alkyl group on the phenyl ring as a substituent),

a group represented by the following general formula (G):



wherein R^{40} represents a C1-6 alkyl group, or
 10 halogen-substituted or unsubstituted phenyl group,

a spiro ring group represented by the following general formula (H):



wherein R^{41} represents:

- H1) hydrogen atom;
- 15 H2) C1-6 alkyl group;
- H3) phenyl C1-6 alkyl group that may have a phenyl group as a substituent on the phenyl ring;
- H4) phenyl group (which may be substituted on

the phenyl ring by at least one group selected from the group consisting of: a halogen atom; a halogen-substituted or unsubstituted C1-6 alkyl group; a halogen-substituted or unsubstituted C1-6 alkoxy group;

5 an amino group (which may be substituted on the amino group by at least one group selected from the group consisting of a C1-6 alkyl group and a phenyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a

10 halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group)); an phenoxy group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a

15 halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group); and piperidyl group (which may be substituted on the piperidine ring by at least one group selected from the group consisting of

20 phenoxy groups (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group) as a

25 substituent));

H5) piperazinyl C1-6 alkyl group (which may be substituted on the piperazine ring by at least one group selected from the group consisting of a C1-6

alkoxycarbonyl group and a phenyl C1-6 alkoxycarbonyl group (which may be substituted on the phenyl ring by 1 to 3 groups selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, a halogen-substituted or unsubstituted C1-6 alkoxy group, and a phenyl group);

H6) piperazinyldicarbonyl C1-6 alkyl group (which may be substituted on the piperazine ring by at least one group selected from the group consisting of: a C1-6 alkoxycarbonyl group; a phenyl C1-6 alkoxy-carbonyl group which may have, as a substituent, a halogen-substituted or unsubstituted C1-6 alkyl group on the phenyl ring; and a phenyl C1-6 alkyl group which may have, as a substituent, at least one group selected from the group consisting of a halogen-substituted or unsubstituted C1-6 alkyl group and a phenyl group on the phenyl ring);

H7) phenylcarbamoyl C1-6 alkyl group which may have at least one halogen-substituted or unsubstituted C1-6 alkyl group as a substituent on the phenyl ring;

H8) benzoxazolyl C1-6 alkyl group (which may have at least one oxo group as a substituent on the benzoxazole ring);

H9) benzothiazolyl group;

H10) tetrazolyl group (which may have at least one phenyl group as a substituent on the tetrazole ring);

H11) C1-6 alkylsulfonyl group;

H12) phenylsulfonyl group which may have at least one C1-6 alkyl group as a substituent on the phenyl ring;

5 H13) phenylthiocarbamoyl group which may be substituted on the phenyl ring by at least one halogen atom as a substituent;

H14) C1-8 alkoxy carbonyl group;

H15) phenyl C1-6 alkoxy carbonyl group (which
10 may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a C1-6 alkoxy carbonyl group, an amino group which may have a C1-6 alkoxy carbonyl group as a substituent, a halogen-substituted or unsubstituted C1-6 alkyl
15 group, a halogen-substituted or unsubstituted C1-6 alkoxy group, a nitro group, and a C1-6 alkylthio group);

H16) benzhydryloxy carbonyl group (which may be substituted on the phenyl ring by at least one
20 halogen atom);

H17) C1-6 alkoxy carbonyl group which may have a phenyl-substituted or unsubstituted phenyl group;

H18) naphthyl C1-6 alkoxy carbonyl group;

H19) pyridyl C1-6 alkoxy carbonyl group;

25 H20) C1-6 alkoxy-substituted C1-6 alkoxy-carbonyl group;

H21) piperazinyl C1-6 alkoxy carbonyl group (which may be substituted on the piperazine ring by at

least one group selected from the group consisting of a C1-6 alkoxy carbonyl group and a phenyl C1-6 alkyl group (which may have at least one halogen atom as a substituent on the phenyl ring) as a substituent);

5 H22) phenoxy carbonyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a C1-6 alkyl group and a C1-6 alkoxy group);

 H23) C1-6 alkanoyl group;

10 H24) benzoyl group (which may be substituted on the phenyl ring by at least one halogen-substituted or unsubstituted C1-6 alkyl group);

 H25) phenyl C1-6 alkanoyl group (which may be substituted on the phenyl ring by at least one halogen-substituted or unsubstituted C1-6 alkyl group);

 H26) phenoxy C1-6 alkanoyl group (wherein 1 to 3 halogen atoms may be substituted on the phenyl ring);

 H27) piperazinyl C2-6 alkanoyl group (which
20 may be substituted on the piperazine ring by at least one group selected from a group consisting of: a C1-6 alkanoyl group; a phenyl C1-6 alkyl group which may have, as a substituent, at least one group selected from the group consisting of a phenyl group, a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group, on the phenyl ring; a phenyl C1-6
25 alkoxy carbonyl group which may have, as a substituent,

at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group, on the phenyl ring; a phenylcarbamoyl C1-6 alkyl group which may have, as a substituent, at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group, on the phenyl ring; a phenylcarbamoyl group which may have, as a substituent, at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group, on the phenyl ring; and a benzoxazolyl group);

H28) phenylcarbamoyl group (which may be substituted on the phenyl ring by 1 to 3 groups selected from the group consisting of a halogen atom, an amino group which may have a C1-6 alkyl group as a substituent, a carboxyl group, a C1-6 alkoxycarbonyl group, a halogen-substituted or unsubstituted C1-6 alkyl group, a halogen-substituted or unsubstituted C1-6 alkoxy group, a piperazinyl group which may have a C1-6 alkyl group as a substituent on the piperazine ring, and a morpholino group);

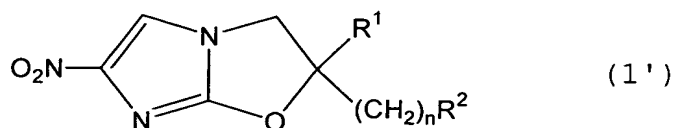
H29) phenyl C1-6 alkylcarbamoyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen-

substituted or unsubstituted C1-6 alkyl group and a halogen-substituted or unsubstituted C1-6 alkoxy group); or

H30) piperazinylcarbonyl group (which may be substituted on the piperazine ring by at least one group selected from the group consisting of a C1-6 alkoxy carbonyl group, a phenyl C1-6 alkoxy carbonyl group which may have at least one halogen-substituted or unsubstituted C1-6 alkyl group on the phenyl ring, and a phenyl C1-6 alkyl group which may have a halogen-substituted or unsubstituted C1-6 alkyl group on the phenyl ring),

provided that, in the above general formula (1), when R^1 represents a hydrogen atom and R^2 represents a group represented by the above general formula (A), then R^3 cannot be an isopropyl group; when R^1 represents a hydrogen atom, R^2 represents a group represented by the above general formula (E), and m is 0, then R^{11} cannot be a hydrogen atom; and further, when R^1 represents a hydrogen atom and R^2 represents a group represented by the above general formula (F), then it is not possible that R^{19} represents a hydrogen atom and R^{20} represents a tert-butoxycarbonyl group.

Further, the present invention provides a 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound represented by the following general formula (1'), optically active form thereof, or pharmaceutically acceptable salt thereof:



wherein R^1 represents a hydrogen atom or C1-6 alkyl group, n represents an integer of 0 to 6, and R^2 represents a group represented by general formula (A'), (B'), (C'), (D'), (E'), (F') or (G') indicated below, and further, R^1 and $-(CH_2)_nR^2$ may bind to each other together with carbon atoms adjacent thereto through nitrogen atoms, so as to form a spiro ring represented by general formula (H') indicated below.

General formulas (A') - (H') will be described as follows:

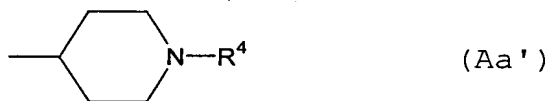
a group represented by the following general formula (A'):



wherein R^3 represents:

- A1) hydrogen atom;
- A2) C1-6 alkyl group;
- A3) C1-6 alkoxy-C1-6 alkyl group
- A4) phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a benzyloxy group, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

- A5) biphenylyl C1-6 alkyl group;
 A6) cinnamyl group;
 A7) methanesulfonyl group;
 A8) benzenesulfonyl group that may be substituted by a methyl group;
 A9) C1-6 alkanoyl group;
 A10) a group represented by the following general formula (Aa'):

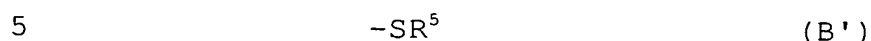


wherein R^4 represents a C1-6 alkoxy carbonyl group, phenyl C1-6 alkoxy carbonyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a benzyloxy group, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group), or phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a benzyloxy group, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

- A11) biphenylyl C1-6 alkoxy carbonyl group;
 A12) 2-(2-oxo-3-benzoxazolyl)ethyl group;
 A13) 2-benzoxazolyl group; or

A14) 2-phenyl-5-methyl-4-oxazolylmethyl
group,

a group represented by the following general
formula (B'):



wherein R^5 represents a 5-(1H)-tetrazolyl
group (wherein position 1 may be substituted by a C1-6
alkyl group, or halogen-substituted or unsubstituted
phenyl group), or 2-benzoxazolyl group,

10 a group represented by the following general
formula (C'):



wherein R^6 represents a C1-6 alkyl group,
a carbamoyloxy group represented by the
15 following general formula (D'):



wherein R^7 and R^8 each identically or
differently represent any one of:

- D1) hydrogen atom;
- 20 D2) C1-8 alkyl group;
- D3) halogen-substituted C1-6 alkyl group;
- D4) C1-6 alkoxycarbonyl-C1-6 alkyl group;
- D5) C5-8 cycloalkyl group;
- D6) phenyl C1-6 alkyl group (which may be
- 25 substituted on the phenyl ring by at least one group
selected from the group consisting of a halogen atom, a
halogen-substituted or unsubstituted C1-6 alkyl group,
and a halogen-substituted or unsubstituted C1-6 alkoxy

group);

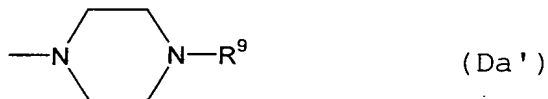
D7) phenyl group (which may be substituted on the phenyl ring by 1 to 3 groups selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, a halogen-substituted or unsubstituted C1-6 alkoxy group, a C1-6 alkanoyl group, a carboxyl group, a C1-6 alkoxycarbonyl group, a benzyloxycarbonyl group, a carbamoyl group, a C1-6 alkylcarbamoyl group, an aminosulfonyl group, and a morpholino group);

D8) 1-naphthyl group;

D9) 4-pyridyl group; and

D10) R^7 and R^8 may bind to each other together with nitrogen atoms adjacent thereto directly or through other hetero atoms or carbon atoms, so as to form a saturated heterocyclic group shown in any one of (D10-1) to (D10-3) indicated below, or benzene condensed heterocyclic group shown in any one of (D10-4) to (D10-7) indicated below:

(D10-1) a piperazinyl group represented by the following general formula (Da'):



wherein R^9 represents:

(Da1) hydrogen atom;

(Da2) C1-6 alkyl group;

(Da3) phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a
5 halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Da4) phenyl group (which may be substituted on the phenyl ring by at least one group selected from
10 the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, a halogen-substituted or unsubstituted C1-6 alkoxy group);

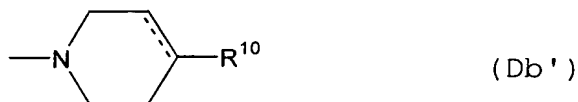
(Da5) C1-6 alkoxycarbonyl group;

15 (Da6) phenyl C1-6 alkoxycarbonyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6
20 alkoxy group);

(Da7) 4-trifluoromethylcinnamyloxycarbonyl group; or

(Da8) 4-trifluoromethylbenzylideneamino group,

25 (D10-2) a group represented by the following general formula (Db'):



wherein the dotted line represents that the bond may be a double bond, and R^{10} represents:

(Db1) hydrogen atom;

(Db2) phenyl group (which may be substituted
 5 on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

10 (Db3) phenoxy group (which may be substituted on the phenyl ring by at least one halogen-substituted or unsubstituted C1-6 alkyl group); or

(Db4) phenylamino group (which may be substituted on the phenyl ring by at least one halogen-
 15 substituted or unsubstituted C1-6 alkyl group), and

(D10-3) a morpholino group;

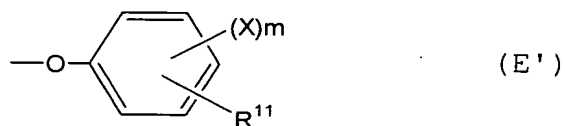
(D10-4) halogen-substituted or unsubstituted 1-indolinyl group;

(D10-5) halogen-substituted or unsubstituted
 20 2-isoindolinyl group;

(D10-6) halogen-substituted or unsubstituted 1,2,3,4-tetrahydro-1-quinolinyl group; and

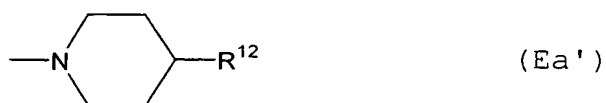
(D10-7) halogen-substituted or unsubstituted 1,2,3,4-tetrahydro-2-isoquinolinyl group,

a phenoxy group represented by the following general formula (E'):



wherein X represents a halogen atom, m represents an integer of 0 to 3, and R¹¹ represents:

- 5 E1) hydrogen atom;
- E2) halogen-substituted or unsubstituted C1-6 alkyl group;
- E3) halogen-substituted or unsubstituted C1-6 alkoxy group;
- 10 E4) morpholino group;
- E5) thiomorpholino group;
- E6) S-oxide thiomorpholino group;
- E7) 1-imidazolyl group;
- E8) 1-triazolyl group;
- 15 E9) piperidiny1 group represented by the following general formula (Ea'):

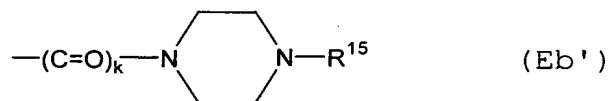


wherein R¹² represents:

- (Ea1) hydrogen atom;
- (Ea2) C1-6 alkoxy carbonyl group; or

(Ea3) phenoxy group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a cyano group, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group),

E10) a group represented by the following formula (Eb'):



wherein k represents an integer of 0 or 1,
10 and R^{15} represents:

(Eb1) hydrogen atom;

(Eb2) C1-6 alkyl group;

(Eb3) phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a cyano group, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Eb4) phenyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a cyano group, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6

alkoxy group);

(Eb5) C1-6 alkanoyl group;

(Eb6) phenyl C2-6 alkanoyl group (which may be substituted on the phenyl ring by at least one group
5 selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Eb7) benzoyl group (which may be substituted
10 on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

15 (Eb8) C1-8 alkoxy carbonyl group (which may be substituted on the alkoxy group by at least one group selected from the group consisting of a halogen atom, a di(C1-6 alkyl)amino group, and a C1-6 alkoxy group);

(Eb9) phenyl C1-6 alkoxy carbonyl group (which
20 may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

25 (Eb10) phenyl C3-6 alkenyloxy carbonyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted

C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

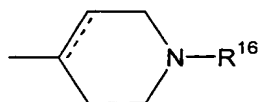
(Eb11) phenoxycarbonyl group (which may be substituted on the phenyl ring by at least one group
5 selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Eb12) phenyl C1-6 alkylcarbamoyl group
10 (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Eb13) phenylcarbamoyl group (which may be substituted on the phenyl ring by at least one group
15 selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group); or
20

(Eb14) 2-benzofuranylmethyloxycarbonyl group which may be substituted by a halogen atom on the benzene ring,

E11) a group represented by the following
25 general formula (Ec'):



(Ec')

wherein the dotted line represents that the bond may be a double bond, and R^{16} represents:

(Ec1) hydrogen atom;

(Ec2) C1-6 alkyl group;

5 (Ec3) phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Ec4) C1-8 alkoxy carbonyl group; or

(Ec5) phenyl C1-6 alkoxy carbonyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group),

a group represented by the following general formula (F'):

20 $-NR^{19}R^{20}$ (F')

wherein R^{19} and R^{20} each identically or differently represent any one of:

F1) hydrogen atom;

F2) C1-6 alkyl group;

25 F3) phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group

selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, a halogen-substituted or unsubstituted C1-6 alkoxy group, and a dimethylamino group);

5 F4) phenoxy C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy
10 group);

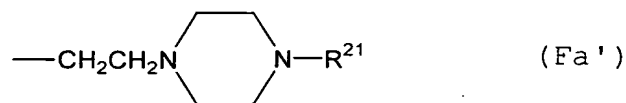
 F5) N-methylamino C1-6 alkyl group (wherein, the position N may be substituted by a C1-6 alkoxy-carbonyl group, or phenyl group that may be substituted on the phenyl ring by at least one group
15 selected from the group consisting of a halogen atom and a halogen-substituted or unsubstituted C1-6 alkyl group);

 F6) phenyl group (which may be substituted on the phenyl ring by at least one group selected from the
20 group consisting of a halogen atom and a C1-6 alkoxy-carbonyl group);

 F7) C1-6 alkoxy-carbonyl group;

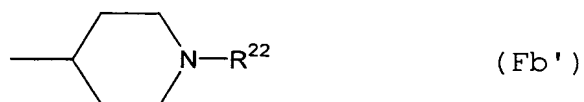
 F8) phenyl C1-6 alkoxy-carbonyl group (which may be substituted on the phenyl ring by at least one
25 group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

F9) 4-substituted-1-piperazinylethyl group
represented by the following general formula (Fa'):



wherein R²¹ represents a C1-6 alkoxy carbonyl group; phenyl C1-6 alkoxy carbonyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a cyano group, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group); phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom and a halogen-substituted or unsubstituted C1-6 alkyl group); or phenyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a cyano group, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group),

F10) 1-substituted-4-piperidinyl group
represented by the following formula (Fb'):

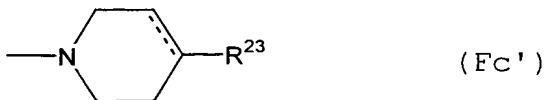


wherein R^{22} represents a C1-6 alkoxy carbonyl group; phenyl C1-6 alkoxy carbonyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a
 5 halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group); or phenyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a cyano group, a
 10 halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group),

F11) 2-[4-(4-trifluoromethylphenoxy)-1-piperidinyl]ethyl group;

15 F12) in addition, R^{19} and R^{20} may bind to each other together with nitrogen atoms adjacent thereto directly or through other hetero atoms or carbon atoms, so as to form a heterocyclic ring shown in any one of (F12-1) to (F12-10) indicated below:

20 (F12-1) a group represented by the following formula (Fc'):



wherein the dotted line represents that the bond may be a double bond, and R^{23} represents:

(Fc1) C1-6 alkyl group;

(Fc2) phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Fc3) phenyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Fc4) phenyl C1-6 alkoxy group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Fc5) 4-biphenylyl C1-6 alkoxy group;

(Fc6) phenyl C3-6 alkenyloxy group which may be substituted on the phenyl ring by a halogen atom;

(Fc7) phenoxy group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a cyano group, a halogen-substituted or unsubstituted C1-6 alkyl

group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Fc8) benzoyl group (which may be substituted on the phenyl ring by at least one group selected from
5 the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Fc9) C1-6 alkoxy carbonyl group;

10 (Fc10) phenyl C1-6 alkoxy carbonyl group (which may be substituted on the phenyl ring by at least one halogen-substituted or unsubstituted C1-6 alkoxy group);

(Fc11) phenyl C1-6 alkyl carbamoyl group
15 wherein a halogen atom may be substituted on the phenyl ring;

(Fc12) phenyl carbamoyl group wherein a halogen atom may be substituted on the phenyl ring;

(Fc13) phenylthio group (which may be
20 substituted on the phenyl ring by at least one halogen-substituted or unsubstituted C1-6 alkoxy group);

(Fc14) phenyl sulfoxide group (which may be substituted on the phenyl ring by at least one halogen-substituted or unsubstituted C1-6 alkoxy group);

25 (Fc15) pyridylmethoxy group; or

(Fc16) a group represented by the following general formula (Fca'):



wherein each of R^{24} and R^{25} represents:

(Fca1) hydrogen atom;

(Fca2) C1-6 alkyl group;

(Fca3) phenyl C1-6 alkyl group (which may be
5 substituted on the phenyl ring by at least one group
selected from the group consisting of a halogen atom, a
halogen-substituted or unsubstituted C1-6 alkyl group,
and a halogen-substituted or unsubstituted C1-6 alkoxy
group);

10 (Fca4) phenyl group (which may be substituted
on the phenyl ring by at least one group selected from
the group consisting of a halogen atom, a cyano group,
a halogen-substituted or unsubstituted C1-6 alkyl
group, and a halogen-substituted or unsubstituted C1-6
15 alkoxy group);

(Fca5) C1-6 alkanoyl group;

(Fca6) phenylacetyl group which may be
substituted on the phenyl ring by a halogen atom;

(Fca7) benzoyl group (which may be substi-
20 tuted on the phenyl ring by at least one group selected
from the group consisting of a halogen atom, a halogen-
substituted or unsubstituted C1-6 alkyl group, and a
halogen-substituted or unsubstituted C1-6 alkoxy
group);

25 (Fca8) C1-6 alkoxy carbonyl group;

(Fca9) phenyl C1-6 alkoxy carbonyl group
(which may be substituted on the phenyl ring by at
least one group selected from the group consisting of a

halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Fca10) phenylcarbamoyl group (which may be substituted by at least one halogen-substituted or unsubstituted C1-6 alkoxy group on the phenyl ring);

(Fca11) 1-(4-trifluoromethylphenyl)-4-piperidinyloxycarbonyl group; or

(Fca12) R^{24} and R^{25} may form a piperidine ring through nitrogen adjacent thereto,

(F12-2) 4-substituted-1-piperazinyl group represented by the following general formula (Fd'):



wherein R^{26} represents:

(Fd1) hydrogen atom;

(Fd2) C1-6 alkyl group;

(Fd3) C5-8 cycloalkyl group;

(Fd4) C5-8 cycloalkyl-C1-6 alkyl group;

(Fd5) C1-6 alkoxycarbonyl-C1-6 alkyl group;

(Fd6) cinnamyl group;

(Fd7) phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by 1 to 3 groups selected from the group consisting of a halogen atom; a cyano group; a halogen-substituted or unsubstituted C1-

6 alkyl group; a cyclohexyl group; a halogen-substituted or unsubstituted C1-6 alkoxy group; a dimethylamino group; a C1-6 alkoxy-carbonyl group; a phenoxy group; a phenyl C1-6 alkyl group; a styryl group; a 3-pyridyl group; a 1-imidazolyl group; and a 1-piperidino group);

(Fd8) biphenylmethyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a 10 halogen-substituted or unsubstituted C1-6 alkyl group, a halogen-substituted or unsubstituted C1-6 alkoxy group, and a dimethylamino group);

(Fd9) 1- or 2-naphthylmethyl group;

(Fd10) phenyl group (which may be substituted 15 on the phenyl ring by at least one group selected from the group consisting of: a halogen atom; a cyano group; a dimethylamino group; a halogen-substituted or unsubstituted C1-6 alkyl group; a halogen-substituted or unsubstituted C1-6 alkoxy group; a C1-6 alkoxy-carbonyl group, and a carboxyl group);

(Fd11) biphenyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of halogen-substituted or unsubstituted C1-6 alkyl groups);

25 (Fd12) amino group, amino group substituted by a C1-6 alkoxy-carbonyl group, benzylamino group, trifluoromethylbenzylamino group, or phenylamino group (which may be substituted on the phenyl ring by at

least one group selected from the group consisting of a halogen-substituted or unsubstituted C1-6 alkyl group and a halogen atom);

(Fd13) 4-chlorobenzoylmethyl group;

5 (Fd14) phenylcarbamoylmethyl group (which may be substituted on the phenyl ring by at least one halogen-substituted or unsubstituted C1-6 alkyl group);

(Fd15) 4- or 5-thiazolylmethyl group (which may be substituted on the thiazole ring by at least one
10 group selected from the group consisting of a halogen-substituted or unsubstituted phenyl group and a C1-6 alkyl group);

(Fd16) 4-oxazolylmethyl group (which may be substituted on the oxazole ring by at least one group
15 selected from the group consisting of a halogen-substituted or unsubstituted phenyl group and a C1-6 alkyl group);

(Fd17) 2-indolylmethyl group;

(Fd18) 2-furylmethyl group (which may be
20 substituted on the furan ring by at least one halogen-substituted or unsubstituted phenyl group);

(Fd19) 4- or 5-imidazolylmethyl group (which may be substituted on the imidazole ring by a phenyl group);

25 (Fd20) 2-quinolylmethyl group;

(Fd21) 5-(1H)-tetrazolyl group (wherein the position-1 of the tetrazole ring may be substituted by a phenyl group);

(Fd22) 2- or 4-pyrimidyl group that may be substituted by a phenyl group;

(Fd23) 2-, 3-, or 4-pyridyl group;

(Fd24) 2-benzoxazolyl group;

5 (Fd25) 2-benzothiazolyl group;

(Fd26) 2-oxo-3-benzoxazolyl-C1-6 alkyl group;

(Fd27) phenoxy C2-6 alkanoyl group which may be substituted on the phenyl ring by a halogen atom;

(Fd28) phenylthio C2-6 alkanoyl group that
10 may be substituted on the phenyl ring by a halogen atom;

(Fd29) phenyl C2-6 alkanoyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a
15 halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Fd30) benzoyl group (which may be substituted on the phenyl ring by at least one group selected
20 from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, a halogen-substituted or unsubstituted C1-6 alkoxy group, and a C1-6 alkylamino group);

(Fd31) 4-biphenylylcarbonyl group;

25 (Fd32) 2-, 3-, or 4-pyridylcarbonyl group;

(Fd33) cinnamoyl group wherein a halogen atom may be substituted on the phenyl ring;

(Fd34) phenyl C1-6 alkylsulfonyl group which

may be substituted by a halogen atom on the phenyl ring;

(Fd35) benzenesulfonyl group (which may be substituted on the benzene ring by at least one group
5 selected from the group consisting of a chlorine atom and a methyl group);

(Fd36) a group represented by the following general formula (Fda'):



10 wherein R^{27} represents:

(Fda1) halogen-substituted or unsubstituted C1-8 alkyl group;

(Fda2) C5-8 cycloalkyl group;

(Fda3) C5-8 cycloalkyl-C1-6 alkyl group;

15 (Fda4) C1-6 alkoxy-C1-6 alkyl group;

(Fda5) C1-6 alkylamino-C1-6 alkyl group;

(Fda6) a group represented by the following general formula (Fdb'):



wherein R^{28} , R^{29} , or R^{30} represent a hydrogen
20 atom, a C1-6 alkyl group, or a phenyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group,

and a halogen-substituted or unsubstituted C1-6 alkoxy group), respectively;

(Fda7) phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by 1 to 5 groups

5 selected from the group consisting of a halogen atom; a halogen-substituted or unsubstituted C1-6 alkyl group; a halogen-substituted or unsubstituted C1-6 alkoxy group; a halogen-substituted or unsubstituted C1-6 alkylthio group; a phenyl C1-6 alkoxy group; a hydroxy group; a methylsulfinyl group; a methanesulfonyl group; 10 methanesulfonyloxy group; a cyano group; an acetyl group; a benzoyl group; an α,α -dimethoxybenzyl group, an amino group, a nitro group; a carbamoyl group; an acetylamino group; a C1-6 alkoxycarbonyl group; a C1-6 alkylaminocarbonyl group; a C1-6 alkoxycarbonylamino group; a tri-C1-6-alkylsiloxo group; a pyrrolyl group; 15 a tetrahydropyranyloxy group; and an 1-imidazolyl group);

(Fda8) biphenyl C1-6 alkyl group;

20 (Fda9) benzhydryl group (which may be substituted on the benzene ring by at least one group selected from the group consisting of a halogen atom, a trifluoromethyl group, and a trifluoromethoxy group);

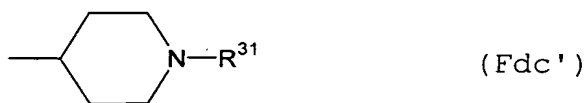
(Fda10) phenoxy C1-6 alkyl group (which may 25 be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy

group);

(Fda11) 3-(4-trifluoromethyl)phenyl-2-propynyl group;

(Fda12) 2-, 3-, or 4-pyridylmethyl group;

5 (Fda13) a group represented by the following general formula (Fdc'):



wherein R^{31} represents a phenyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a cyano group, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group); phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group); or benzoyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group),

(Fda14) 1-piperidinoethyl group (wherein the

position-4 of the piperidine ring may be substituted by a 4-trifluoromethylphenoxy group);

(Fda15) N-methyl-N-(4-trifluoromethoxy)-phenylaminoethyl group;

5 (Fda16) 4-(4-trifluoromethoxyphenyl)-1,2,3,6-tetrahydro-1-pyridinyloethyl group;

(Fda17) 1- or 2-naphthylmethyl group;

(Fda18) 1-, 2-, 3-, 4-, or 9-fluorenylmethyl group;

10 (Fda19) 2-, 3-, or 4-pyridylmethyl group;

(Fda20) 2-furylmethyl group (wherein the position-4 of the furan ring may be substituted by a halogen-substituted or unsubstituted phenyl group);

(Fda21) 3-thienylmethyl group;

15 (Fda22) 4-oxazolylmethyl group (wherein the position-2 of the oxazoline ring may be substituted by a halogen atom or chlorophenyl group);

(Fda23) 4-thiazolylmethyl group which may be substituted by a halogen atom;

20 (Fda24) 5-oxadiazolylmethyl group wherein the position-2 of the oxadiazoline ring may be substituted by a halogen-substituted or unsubstituted phenyl group;

(Fda25) 3-pyrazolylmethyl group wherein the position-1 of the pyrazoline ring may be substituted by
25 a halogen-substituted or unsubstituted phenyl group;

(Fda26) 2- or 3-benzothiophenylmethyl group (which may be substituted on the benzene ring by at least one group selected from the group consisting of a

halogen atom and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Fda27) benzoxazol-2-ylmethyl group which may be substituted by a halogen atom on the benzene ring;

5 (Fda28) 2-thienylmethyl group which may be substituted by a halogen atom;

(Fda29) 2-benzothiazolylmethyl group;

(Fda30) 2-(5-chloro)benzofuranylmethyl group;

(Fda31) 3,3-dimethyl-2-oxo-5-indolinylmethyl
10 group (wherein the position-1 of the indoline ring may be substituted by a C1-6 alkyl group);

(Fda32) 2-oxo-6-benzoxazolylmethyl group (wherein the position-1 of the benzoxazoline ring may be substituted by a C1-6 alkyl group);

15 (Fda33) 7-chromenylmethyl group;

(Fda34) 2-oxo-1,2,3,4-tetrahydro-6-quinolylmethyl group (wherein the position-1 of the quinoline ring may be substituted by a C1-6 alkyl group);

(Fda35) 5-thiazolylmethyl group (which may be
20 substituted on the thiazole ring by at least one group selected from the group consisting of a halogen-substituted or unsubstituted phenyl group and a C1-6 alkyl group); or

(Fda36) 5-(1H)-tetrazolyl C1-6 alkyl group
25 (wherein the position-1 of the tetrazole ring may be substituted by a group selected from the group consisting of a halogen-substituted or unsubstituted phenyl group and a C1-6 alkyl group),

(Fd37) a group represented by the following general formula (Fe'):



wherein Z represents $-C=O$ or $-C=S$, and R^{32} and
 5 R^{33} each identically or differently represent any one of:

(Fe1) hydrogen atom;

(Fe2) C1-6 alkyl group;

(Fe3) C5-8 cycloalkyl group;

10 (Fe4) phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy
 15 group);

(Fe5) phenyl C2-6 alkenyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group,
 20 and a halogen-substituted or unsubstituted C1-6 alkoxy group);

(Fe6) phenyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a
 25 halogen-substituted or unsubstituted C1-6 alkoxy group); and

(Fe7) R^{32} and R^{33} may bind to each other

together with nitrogen atoms adjacent thereto through other carbon atoms, so as to form a piperidine ring or 1,2,3,6-tetrahydropyridine ring, wherein the position-4 of the piperidine ring or 1,2,3,6-tetrahydropyridine
 5 ring may be substituted by a phenyl group, and the phenyl group may be substituted by at least one group selected from the group consisting of a halogen atom and a halogen-substituted or unsubstituted C1-6 alkyl group, or

10 (Fd38) a group represented by the following general formula (Ff'):



wherein R^{34} represents a hydrogen atom or C1-6 lower alkyl group, and R^{35} represents:

- (Ff1) C5-8 cycloalkyl group;
 15 (Ff2) C5-8 cycloalkenyl group;
 (Ff3) a group represented by the following general formula (Ffa'):



wherein each of R^{36} , R^{37} , and R^{38} represents: a

hydrogen atom; C1-6 alkyl group; phenyl group (which may be substituted on the phenyl ring by at least one 1 to 5 groups selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted

5 C1-6 alkyl group, a halogen-substituted or unsubstituted C1-6 alkoxy group, a methylenedioxy group, a methanesulfonyl group, a halogen-substituted or unsubstituted C1-6 alkylthio group, a nitro group, and an acetyl amino group); 2-benzofuranyl group (which may

10 be substituted on the benzene ring by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group); 4-biphenyl group; 2-furyl group which

15 may be substituted by a 4-chlorophenyl group; or 2-(4-chlorophenyl)-4-thiazolyl group,

(Ff4) phenyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of: a halogen atom; a halogen-

20 substituted or unsubstituted C1-6 alkyl group; a C5-8 cycloalkyl group; a hydroxy group; a halogen-substituted or unsubstituted C1-8 alkoxy group; a C5-8 cycloalkoxy group; a methylenedioxy group; an ethylenedioxy group; a cyano group; a nitro group; a

25 cinnamyl group; a C1-6 alkanoyloxy group; a C1-6 alkanoylamino group; a methanesulfonylamino group; a phenyl C1-6 alkoxy group; a phenoxy group; a di(C1-6 alkyl)amino group; a diphenylamino group; a di(C1-6

alkyl)amino C1-6 alkoxy group; a methoxycarbonyl group;
a C1-6 alkoxy carbonyl C1-6 alkoxy group; a C1-6
alkylthio group; a pyrrolyl group; a 1-imidazolyl
group; a piperidino group; a morpholino group;
5 pyrrolidinyl group; a 2-thienyl group; a 2-benzofuranyl
group; a 4-piperazinyl group wherein the position-1 may
be substituted by a group selected from the group
consisting of a C1-6 alkyl group, a phenyl C1-6 alkyl
group, a benzoyl group, and a C1-6 alkyl group
10 substituted benzoyl group; a 2-oxo-3-quinolyl group
which may be substituted on the benzene ring by a C1-6
alkoxy group; a 4-(carbostyryl-1-yl)piperidinyl-1-
carbonyl group; and a triazolyl group);

(Ff5) 1- or 2-naphthyl group substituted by a
15 halogen atom, halogen-substituted or unsubstituted C1-6
alkoxy group, or dimethylamino group;

(Ff6) 3- or 4-biphenyl group (which may be
substituted on the biphenyl ring by at least one group
selected from the group consisting of a halogen atom, a
20 halogen-substituted or unsubstituted C1-9 alkyl group,
and a halogen-substituted or unsubstituted C1-6 alkoxy
group);

(Ff7) 2-fluorenyl group; 3-pyrenyl group;

(Ff8) 2-benzofuranyl group (which may be
25 substituted on the benzene ring by at least one group
selected from the group consisting of a halogen atom, a
halogen-substituted or unsubstituted C1-6 alkyl group,
and a halogen-substituted or unsubstituted C1-6 alkoxy

group);

(Ff9) 2- or 3-benzothiophenyl group (which may be substituted on the benzene ring by at least one group selected from the group consisting of a halogen
5 atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group; or the position-3 or -2 of the thiophene ring may be substituted by a C1-6 alkyl group);

(Ff10) 2-, 3-, or 4-pyridyl group (which may
10 be substituted on the pyridyl group by at least one group selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, a phenyl group (which may be substituted on the phenyl ring by at least one group selected from the
15 group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group), a 2-furyl group, a 3-furyl group, a 2-thienyl group, and a 3-thienyl group);

(Ff11) 2- or 3-furyl group (which may be
20 substituted on the furan ring by 1 to 3 groups selected from the group consisting of a C1-6 alkyl group, a nitro group, and a phenyl group (which may be substituted on the phenyl ring by 1 to 3 groups selected from
25 the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, a halogen-substituted or unsubstituted C1-6 alkoxy group, and a nitro group));

(Ff12) 2-(2-methoxyphenyl)benzothiazol-5-yl group;

(Ff13) 2-thienyl group; 3-thienyl group; 4-bromo-2-thienyl group; 5-chloro-2-thienyl group; 5-ethyl-2-thienyl group; 3-methyl-2-thienyl group; 5-nitro-2-thienyl group; 5-(1-methyl-3-trifluoromethyl-5-pyrazolyl)-2-thienyl group; 5-(1-methyl-5-trifluoromethyl-3-pyrazolyl)-2-thienyl group; 2,2'-bithien-5-yl group; 5'-bromo-2,2'-bithien-5-yl group;

10 (Ff14) 1-(4-methylbenzenesulfonyl)indol-3-yl group; 1-benzylindol-3-yl group; 6-methoxycarbonylindol-3-yl group; 2-phenylindol-3-yl group;

(Ff15) 1-(3-trifluoromethyl)phenyl-2,5-dimethyl-3-pyrrolyl group;

15 (Ff16) 6-coumaryl group;

(Ff17) 2-(2-thienyl)-5-benzimidazolyl group; 6-benzimidazolyl group;

(Ff18) 2-(4-chlorophenyl)-4-oxazolyl group;

(Ff19) 2-phenyl-4-thiazolyl group; 2-(4-chlorophenyl)-4-thiazolyl group; 2-(4-nitrophenyl)-4-thiazolyl group; 2-(4-biphenyl)-4-thiazolyl group;

(Ff20) 2-thiazolyl group;

(Ff21) 2- or 4-quinolinyl group;

(Ff22) 8-methoxy-3,4-dihydrocarbostyryl-5-yl group; 8-methoxy-1-methyl-3,4-dihydrocarbostyryl-5-yl group; 8-benzyloxy-3,4-dihydrocarbostyryl-5-yl group; 8-methoxycarbostyryl-5-yl group; 8-methoxy-1-methylcarbostyryl-5-yl group; 8-benzyloxycarbostyryl-5-

yl group; 8-methoxy-3,4-dihydrocarbostyryl-6-yl group;
 8-methoxy-1-methyl-3,4-dihydrocarbostyryl-6-yl group;
 8-benzyloxy-3,4-dihydrocarbostyryl-6-yl group; 8-
 methoxycarbostyryl-6-yl group; 8-methoxy-1-methyl-
 5 carbostyryl-6-yl group; 8-benzyloxycarbostyryl-6-yl
 group;

- (Ff23) 6-imidazo[2,1-b]thiazolyl group;
- (Ff24) 2-imidazo[2,1-a]pyridyl group;
- (Ff25) 2,2-dimethyl-6-chromanyl group; or
- 10 (Ff26) 2,3-dihydro-5-benzofuranyl group,
- (F12-3) morpholino group;
- (F12-4) 1-imidazolyl group;
- (F12-5) 1,4-dioxo-8-azaspiro[4,5]-8-decyl
 group;
- 15 (F12-6) 4-tert-butoxycarbonyl-1-
 homopiperazinyl group; 4-benzyloxycarbonyl-1-
 homopiperazinyl group; 4-(4-biphenyl)-1-
 homopiperazinyl group,
- (F12-7) 1-tert-butyl-2-piperazinon-4-yl
 20 group; 1-(4-trifluoromethylbenzyl)-2-piperazinon-4-yl
 group,
- (F12-8) 4-oxo-1-piperidinyl group;
- (F12-9) 2-(4-trifluoromethoxyphenoxyethyl)-
 pyrrolidin-1-yl group; and
- 25 (F12-10) 2-isoindolinyl group, and

F13) moreover, R^{19} and R^{20} may bind to each
 other together with nitrogen atoms adjacent thereto
 directly or through hetero atoms, so as to form a

cyclic imide or amide shown in any one of (F13-1) to (F13-11) indicated below:

(F13-1) 2-succinimide group;

(F13-2) 2-oxooxazolin-3-yl group;

5 (F13-3) 2-oxobenzo-1,3-oxazolidin-3-yl group;
5-bromo-2-oxobenzo-1,3-oxazolidin-3-yl group; 5-chloro-
2-oxobenzo-1,3-oxazolidin-3-yl group; 5-phenyl-2-
oxobenzo-1,3-oxazolidin-3-yl group;

(F13-4) 2-oxoimidazolidin-1-yl group (wherein
10 the position-3 of 2-oxoimidazolidin-1-yl group may be
substituted by a phenyl C1-6 alkyl group (which may be
substituted on the phenyl ring by 1 to 3 groups
selected from the group consisting of a halogen atom
and a methoxy group), or a phenyl group);

15 (F13-5) 2-oxobenzimidazolidin-1-yl group
(which may be substituted on the benzene ring by a
halogen atom, halogen-substituted or unsubstituted C1-6
alkyl group, dimethylamino group, or ethoxycarbonyl
group; or the position-3 of the imidazolidine ring may
20 be substituted by a 4-piperidinyl group, which may be
substituted by a group selected from the group
consisting of a C1-6 alkyl group, a phenyl group
wherein 1 to 3 halogen atoms may be substituted on the
phenyl ring, a tert-butoxycarbonyl group, and a
25 benzyloxycarbonyl group);

(F13-6) phthalimid-2-yl group;

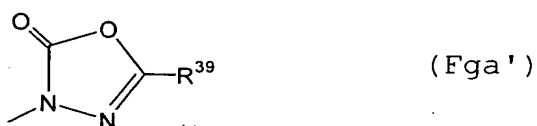
(F13-7) oxyindol-1-yl group, wherein the
position-3 may be substituted by 2 methyl groups or

fluorine atoms;

(F13-8) benzoic sulfimid-2-yl group;

(F13-9) 1H-2,4-benzoxazin-3(4H)-on-4-yl
group;

5 (F13-10) a group represented by the following
general formula (Fga'):



wherein R³⁹ represents: a hydrogen atom;
halogen-substituted or unsubstituted phenyl C1-6 alkyl
group; halogen-substituted or unsubstituted phenoxy-
10 methyl group; halogen-substituted or unsubstituted
styryl group; phenyl group which may be substituted by
at least one group selected from a group consisting of
a halogen atom, a halogen-substituted or unsubstituted
C1-6 alkyl group, and a halogen-substituted or
15 unsubstituted C1-6 alkoxy group; biphenyl group; 4-
pyridyl group; or 2-pyrazinyl group, and

(F13-11) 5-(4-trifluoromethylbenzylidene)-
1,3-thiazolidine-2,4-dion-3-yl group;

a group represented by the following general
20 formula (G'):



wherein R^{40} represents a C1-6 alkyl group, or halogen-substituted or unsubstituted phenyl group, a spiro ring group represented by the following general formula (H'):



5 wherein R^{41} represents:

H1) hydrogen atom;

H2) C1-6 alkyl group;

H3) phenyl C1-6 alkyl group or 4-biphenylyl C1-6 alkyl group;

10 H4) phenyl group (which may be substituted by a halogen-substituted or unsubstituted C1-6 alkyl group);

H5) 4-substituted-1-piperazinyl C1-6 alkyl group (wherein the substituent at the position-4 is a C1-6 alkoxy carbonyl group, 4-biphenylylmethoxy carbonyl group or benzyloxy carbonyl group, and the benzyloxy carbonyl group may be substituted by 1 to 3 groups selected from the group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group on the benzene ring);

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H6) 4-substituted-1-piperazinylcarbonyl C1-6 alkyl group, wherein the position-4 is substituted with a C1-6 alkylcarbonyl group, 4-trifluoromethylbenzyloxy-carbonyl group, 4-trifluoromethylbenzyl group, or
5 biphenylylmethyl group;

H7) 4-trifluoromethylphenylcarbamoyl C1-6 alkyl group;

H8) 2-benzoxazolone-1-ylpropyl group;

H9) 2-benzothiazolyl group;

10 H10) 1-phenyl-5-tetrazolyl group;

H11) methanesulfonyl group;

H12) benzenesulfonyl or p-toluenesulfonyl group;

H13) phenylthiocarbamoyl group, wherein the
15 position-4 of the phenyl ring may be substituted by a halogen atom;

H14) C1-8 alkoxy carbonyl group;

H15) phenyl C1-6 alkoxy carbonyl group (which may be substituted on the phenyl ring by at least one
20 group selected from the group consisting of a halogen atom, a C1-6 alkoxy carbonyl group, a C1-6 alkoxy-carbonylamino group, a halogen-substituted or unsubstituted C1-6 alkyl group, a halogen-substituted or unsubstituted C1-6 alkoxy group, a nitro group, and
25 a methylthio group);

H16) benzhydryloxy carbonyl group (which may be substituted on the phenyl ring by 1 to 4 halogen atoms);

H17) 4-biphenylmethoxycarbonyl group;

H18) naphthylmethoxycarbonyl group;

H19) pyridylmethoxycarbonyl group;

H20) methoxyethoxycarbonyl group;

5 H21) 2-(1-piperazinyl)ethoxycarbonyl group
wherein the position-4 may be substituted by a C1-6
alkoxycarbonyl group, or halogen-substituted or
unsubstituted phenyl C1-6 alkoxycarbonyl group;

H22) phenoxycarbonyl group (which may be
10 substituted on the phenyl ring by at least one group
selected from the group consisting of a C1-6 alkyl
group and a C1-6 alkoxy group);

H23) C1-6 alkanoyl group;

H24) benzoyl group (which may be substituted
15 on the phenyl ring by at least one halogen-substituted
or unsubstituted C1-6 alkyl group);

H25) phenyl C2-6 alkanoyl group (which may be
substituted on the phenyl ring by at least one halogen-
substituted or unsubstituted C1-6 alkyl group);

20 H26) phenoxy C2-6 alkanoyl group (which may
be substituted by 1 to 3 halogen atoms on the phenyl
ring);

H27) 4-substituted-1-piperazinyl C2-6
alkanoyl group (wherein the substituent at the
25 position-4 is a C1-6 alkanoyl group, phenyl C1-6 alkyl
group, 4-biphenylmethyl group, phenyl C1-6
alkoxycarbonyl group, phenylcarbamoylmethyl group,
phenyl carbamoyl group, or 2-benzoxazolyl group; and

the phenyl ring of each of these phenyl C1-6 alkyl group, phenyl C1-6 alkoxy-carbonyl group, phenyl-carbamoylmethyl group and phenyl carbamoyl group, may be substituted by 1 to 3 groups selected from the
5 group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group);

H28) phenyl-carbamoyl group (which may be
10 substituted on the phenyl ring by 1 to 3 groups selected from the group consisting of a halogen atom, a dimethylamino group, a carboxyl group, a C1-6 alkoxy-carbonyl group, a halogen-substituted or unsubstituted C1-6 alkyl group, a halogen-substituted or unsubsti-
15 tuted C1-6 alkoxy group, a 4-methyl-1-piperazinyl group, and a morpholino group);

H29) benzyl-carbamoyl group (which may be substituted on the phenyl ring by at least one group selected from the group consisting of a halogen-
20 substituted or unsubstituted C1-6 alkyl group and a halogen-substituted or unsubstituted C1-6 alkoxy group); or

H30) 4-substituted-1-piperazinyl-carbonyl group, wherein the position-4 is substituted with a
25 tert-butoxycarbonyl group, 4-trifluoromethylbenzyloxy-carbonyl group, or 4-trifluoromethylbenzyl group,

provided that, in the above general formula (1') when R¹ represents a hydrogen atom and R²

represents a group represented by the above general formula (A'), then R^3 cannot be an isopropyl group; when R^1 represents a hydrogen atom, R^2 represents a group represented by the above general formula (E'), and m is 5 0, then R^{11} cannot be a hydrogen atom; and further, when R^1 represents a hydrogen atom and R^2 represents a group represented by the above general formula (F'), then it is not possible that R^{19} represents a hydrogen atom and R^{20} represents a tert-butoxycarbonyl group.

10 The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1), wherein R^2 represents a group represented by general 15 formula (A).

 The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1), 20 wherein R^2 represents a group represented by general formula (B).

 The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt 25 thereof according to the above general formula (1), wherein R^2 represents a group represented by general formula (C).

 The present invention provides 2,3-dihydro-6-

nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1), wherein R^2 represents a group represented by general
5 formula (D).

The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1),
10 wherein R^2 represents a group represented by general formula (E).

The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt
15 thereof according to the above general formula (1), wherein R^2 represents a group represented by general formula (F).

The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active
20 form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1), wherein R^2 represents a group represented by general formula (G).

The present invention provides 2,3-dihydro-6-
25 nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1), wherein R^1 and $-(CH_2)_nR^2$ may bind to each other together

with carbon atoms adjacent thereto through nitrogen atoms, so as to form a spiro ring represented by general formula (H).

The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1), wherein n is 0 and R^2 represents a group represented by any one of the formula (A) to (G) or R^1 and $-(CH_2)_nR^2$ may bind to each other together with carbon atoms adjacent thereto through nitrogen atoms, so as to form a spiro ring represented by general formula (H).

The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1), wherein n represents an integer of 1 to 6 and R^2 represents a group represented by any one of the formula (A) to (G) or R^1 and $-(CH_2)_nR^2$ may bind to each other together with carbon atoms adjacent thereto through nitrogen atoms, so as to form a spiro ring represented by general formula (H).

The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1), wherein R^1 represents a hydrogen atom and R^2 represents a group represented by any one of the formula (A) to

(G) or R^1 and $-(CH_2)_nR^2$ may bind to each other together with carbon atoms adjacent thereto through nitrogen atoms, so as to form a spiro ring represented by general formula (H).

5 The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1), wherein R^1 represents a C1-6 alkyl group and R^2
10 represents a group represented by any one of the formula (A) to (G) or R^1 and $-(CH_2)_nR^2$ may bind to each other together with carbon atoms adjacent thereto through nitrogen atoms, so as to form a spiro ring represented by general formula (H).

15 The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1), wherein R^2 represents a group represented by general
20 formula (E) and R^{11} represents any one of (E1) to (E3).

 The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1),
25 wherein R^2 represents a group represented by general formula (E) and R^{11} represents (E4).

 The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active

form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1), wherein R^2 represents a group represented by general formula (E) and R^{11} represents any one of (E5) to (E9).

5 The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1), wherein R^2 represents a group represented by general
10 formula (E) and R^{11} represents (E10).

 The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1),
15 wherein R^2 represents a group represented by general formula (E) and R^{11} represents (E11).

 The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt
20 thereof according to the above general formula (1), wherein R^2 represents a group represented by general formula (E) and R^{11} represents (E12).

 The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active
25 form thereof, or pharmaceutically acceptable salt thereof according to the above general formula, wherein R^2 represents a group represented by general formula (E) and R^{11} represents (E13).

The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1),
5 wherein R^2 represents a group represented by general formula (E) and R^{11} represents any one of (E14) to (E17) and (E19) to (E22).

The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active
10 form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1), wherein R^2 represents a group represented by general formula (E) and R^{11} represents (E18).

The present invention provides 2,3-dihydro-6-
15 nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1), wherein R^2 represents a group represented by general formula (F) and R^{19} and R^{20} each identically or
20 differently represent any one of (F1) to (F11).

The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1),
25 wherein R^2 represents a group represented by general formula (F) and R^{19} and R^{20} , together with nitrogen atoms adjacent thereto, form a heterocyclic ring shown in any one of (F12-3) to (F12-10) and (F13) directly or

through other hetero atoms or carbon atoms.

The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1), wherein R^2 represents a group represented by general formula (F) and R^{19} and R^{20} , together with nitrogen atoms adjacent thereto, form a heterocyclic ring shown in (F12-1) directly or through other hetero atoms or carbon atoms.

The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1), wherein R^2 represents a group represented by general formula (F) and R^{19} and R^{20} , together with nitrogen atoms adjacent thereto, form a heterocyclic ring shown in (F12-2) directly or through other hetero atoms or carbon atoms.

The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1), wherein R^2 represents a group represented by general formula (E), R^{11} represents (E10), and o is 0.

The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt

thereof according to the above general formula (1), wherein R^2 represents a group represented by general formula (E), R^{11} represents (E10), o is 1, and W represents a group -CO-.

5 The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1), wherein R^2 represents a group represented by general
10 formula (E), R^{11} represents (E10), o is 1, and W represents a C1-6 alkylene group.

 The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt
15 thereof according to the above general formula (1), wherein R^2 represents a group represented by general formula (E), R^{11} represents (E10), and R^{14} is any one of (Eaa1) to (Eaa2) and (Eaa4) to (Eaa27).

 The present invention provides 2,3-dihydro-6-
20 nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1), wherein R^2 represents a group represented by general formula (E), R^{11} represents (E10), and R^{14} is (Eaa3).

25 The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1),

wherein R^2 represents a group represented by general formula (E), R^{11} represents (E11), and o is 0.

The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active
5 form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1), wherein R^2 represents a group represented by general formula (E), R^{11} represents (E11), and o is 1.

The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active
10 form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1), wherein R^2 represents a group represented by general formula (F), R^{19} and R^{20} , together with nitrogen atoms
15 adjacent thereto, form a heterocyclic ring shown in (F12-2) directly or through other hetero atoms or carbon atoms and R^{26} is any one of (Fd1) to (Fd35), (Fd37) and (Fd39).

The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active
20 form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1), wherein R^2 represents a group represented by general formula (F), R^{19} and R^{20} , together with nitrogen atoms
25 adjacent thereto, form a heterocyclic ring shown in (F12-2) directly or through other hetero atoms or carbon atoms and R^{26} is (Fd36).

The present invention provides 2,3-dihydro-6-

nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1), wherein R^2 represents a group represented by general formula (F), R^{19} and R^{20} , together with nitrogen atoms adjacent thereto, form a heterocyclic ring shown in (F12-2) directly or through other hetero atoms or carbon atoms and R^{26} is (Fd38).

The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1), wherein R^2 represents a group represented by general formula (F), R^{19} and R^{20} , together with nitrogen atoms adjacent thereto, form a heterocyclic ring shown in (F12-2) directly or through other hetero atoms or carbon atoms, R^{26} is (Fd36) and R^{27} is any one of (Fda1) to (Fda5) and (Fda7) to (Fda34).

The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1), wherein R^2 represents a group represented by general formula (F), R^{19} and R^{20} , together with nitrogen atoms adjacent thereto, form a heterocyclic ring shown in (F12-2) directly or through other hetero atoms or carbon atoms, R^{26} is (Fd36) and R^{27} is (Fda6).

The present invention provides 2,3-dihydro-6-

nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1), wherein R^2 represents a group represented by general formula (F), R^{19} and R^{20} , together with nitrogen atoms adjacent thereto, form a heterocyclic ring shown in (F12-2) directly or through other hetero atoms or carbon atoms, R^{26} is (Fd38) and R^{35} is any one of (Ff1) to (Ff3), (Ff5) to (Ff7), and (Ff9) to (Ff26).

10 The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1), wherein R^2 represents a group represented by general formula (F), R^{19} and R^{20} , together with nitrogen atoms adjacent thereto, form a heterocyclic ring shown in (F12-2) directly or through other hetero atoms or carbon atoms, R^{26} is (Fd38) and R^{35} is (Ff4).

20 The present invention provides 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound, optically active form thereof, or pharmaceutically acceptable salt thereof according to the above general formula (1), wherein R^2 represents a group represented by general formula (F), R^{19} and R^{20} , together with nitrogen atoms adjacent thereto, form a heterocyclic ring shown in (F12-2) directly or through other hetero atoms or carbon atoms, R^{26} is (Fd38) and R^{35} is (Ff8).

In the compounds represented by general

formula (1) or (1') of the present invention,
particularly preferred are as follows:

- 3-(4-Trifluoromethylphenyl)-2-propenyl 4-(2-methyl-6-nitro-2,3-dihydroimidazo[2,1-b]oxazol-2-ylmethyl)piperazin-1-carboxylate,
- 3-(4-trifluoromethylphenyl)-2-propenyl (S)-4-(2-methyl-6-nitro-2,3-dihydroimidazo[2,1-b]oxazol-2-ylmethyl)-piperazin-1-carboxylate,
- 3-(4-trifluoromethylphenyl)-2-propenyl (R)-4-(2-methyl-6-nitro-2,3-dihydroimidazo[2,1-b]oxazol-2-ylmethyl)-piperazin-1-carboxylate,
- 2-methyl-6-nitro-2-{4-[4-(4-trifluoromethoxyphenoxy)-piperidin-1-yl]phenoxy-methyl}-2,3-dihydroimidazo[2,1-b]oxazole,
- (S)-2-methyl-6-nitro-2-{4-[4-(4-trifluoromethoxyphenoxy)piperidin-1-yl]phenoxy-methyl}-2,3-dihydroimidazo[2,1-b]oxazole,
- (R)-2-methyl-6-nitro-2-{4-[4-(4-trifluoromethoxyphenoxy)piperidin-1-yl]phenoxy-methyl}-2,3-dihydroimidazo[2,1-b]oxazole,
- 2-methyl-6-nitro-2-{4-[1-(4-trifluoromethoxybenzyl)-piperidin-4-yl]phenoxy-methyl}-2,3-dihydroimidazo[2,1-b]oxazole,
- (S)-2-methyl-6-nitro-2-{4-[1-(4-trifluoromethoxybenzyl)piperidin-4-yl]phenoxy-methyl}-2,3-dihydroimidazo[2,1-b]oxazole,
- (R)-2-methyl-6-nitro-2-{4-[1-(4-trifluoromethoxybenzyl)piperidin-4-yl]phenoxy-methyl}-2,3-dihydro-

- imidazo[2,1-b]oxazole,
 6-nitro-2-{4-[4-(4-trifluoromethoxyphenoxy)piperidin-1-yl]phenoxy-methyl}-2,3-dihydroimidazo[2,1-b]oxazole,
 (S)-6-nitro-2-{4-[4-(4-trifluoromethoxyphenoxy)-
 5 piperidin-1-yl]phenoxy-methyl}-2,3-dihydroimidazo[2,1-b]oxazole,
 (R)-6-nitro-2-{4-[4-(4-trifluoromethoxyphenoxy)-piperidin-1-yl]phenoxy-methyl}-2,3-dihydroimidazo[2,1-b]oxazole,
 10 2-methyl-6-nitro-2-{4-[3-(4-trifluoromethoxyphenoxy)-8-azabicyclo[3.2.1]octan-8-yl]phenoxy-methyl}-2,3-dihydroimidazo[2,1-b]oxazole,
 (S)-2-methyl-6-nitro-2-{4-[3-(4-trifluoromethoxyphenoxy)-8-azabicyclo[3.2.1]octan-8-yl]phenoxy-methyl}-
 15 2,3-dihydroimidazo[2,1-b]oxazole,
 (R)-2-methyl-6-nitro-2-{4-[3-(4-trifluoromethoxyphenoxy)-8-azabicyclo[3.2.1]octan-8-yl]phenoxy-methyl}-2,3-dihydroimidazo[2,1-b]oxazole,
 (R)-2-methyl-6-nitro-2-{4-[3-(4-trifluoromethoxyphenoxy)-8-azabicyclo[3.2.1]octan-8-yl]phenoxy-methyl}-
 20 2,3-dihydroimidazo[2,1-b]oxazole 4-toluene sulfonate,
 2-methyl-6-nitro-2-[4-(4-trifluoromethylbenzylideneamino)piperazin-1-yl]-2,3-dihydroimidazo[2,1-b]oxazole,
 (S)-2-methyl-6-nitro-2-[4-(4-trifluoromethylbenzylideneamino)piperazin-1-yl]-2,3-dihydroimidazo-
 25 [2,1-b]oxazole,
 (R)-2-methyl-6-nitro-2-[4-(4-trifluoromethylbenzylideneamino)piperazin-1-yl]-2,3-dihydroimidazo-

- [2,1-b]oxazole,
 2-[4-(5-chlorobenzofuran-2-ylmethyleamino)piperazin-1-yl]-2-methyl-6-nitro-2,3-dihydroimidazo[2,1-b]oxazole,
- 5 (S)-2-[4-(5-chlorobenzofuran-2-ylmethyleamino)-piperazin-1-yl]-2-methyl-6-nitro-2,3-dihydroimidazo[2,1-b]oxazole,
 (R)-2-[4-(5-chlorobenzofuran-2-ylmethyleamino)-piperazin-1-yl]-2-methyl-6-nitro-2,3-dihydroimidazo-
- 10 [2,1-b]oxazole,
 2-[4-(5-trifluoromethylbenzofuran-2-ylmethyleamino)-piperazin-1-yl]-2-methyl-6-nitro-2,3-dihydroimidazo[2,1-b]oxazole,
 (S)-2-[4-(5-trifluoromethylbenzofuran-2-ylmethyle-
- 15 amino)piperazin-1-yl]-2-methyl-6-nitro-2,3-dihydroimidazo[2,1-b]oxazole,
 (R)-2-[4-(5-trifluoromethylbenzofuran-2-ylmethyleamino)piperazin-1-yl]-2-methyl-6-nitro-2,3-dihydroimidazo[2,1-b]oxazole,
- 20 2-methyl-6-nitro-2-{4-[4-(4-trifluoromethylbenzyl)-piperazin-1-yl]phenoxyethyl}-2,3-dihydroimidazo[2,1-b]oxazole,
 (S)-2-methyl-6-nitro-2-{4-[4-(4-trifluoromethylbenzyl)piperazin-1-yl]phenoxyethyl}-2,3-
- 25 dihydroimidazo[2,1-b]oxazole,
 (R)-2-methyl-6-nitro-2-{4-[4-(4-trifluoromethylbenzyl)piperazin-1-yl]phenoxyethyl}-2,3-dihydroimidazo[2,1-b]oxazole,

2-methyl-6-nitro-2-{4-[4-(4-trifluoromethoxybenzyl)-
piperazin-1-yl]phenoxy)methyl}-2,3-dihydroimidazo[2,1-
b]oxazole,

(S)-2-methyl-6-nitro-2-{4-[4-(4-trifluoromethoxy-
5 benzyl)piperazin-1-yl]phenoxy)methyl}-2,3-dihydro-
imidazo[2,1-b]oxazole,

(R)-2-methyl-6-nitro-2-{4-[4-(4-trifluoromethoxy-
benzyl)piperazin-1-yl]phenoxy)methyl}-2,3-dihydro-
imidazo[2,1-b]oxazole,

10 2-methyl-6-nitro-2-[4-(4-trifluoromethylphenoxy)-
piperidin-1-ylmethyl]-2,3-dihydroimidazo[2,1-b]oxazole,

(S)-2-methyl-6-nitro-2-[4-(4-trifluoromethylphenoxy)-
piperidin-1-ylmethyl]-2,3-dihydroimidazo[2,1-b]oxazole,

(R)-2-methyl-6-nitro-2-[4-(4-trifluoromethylphenoxy)-
15 piperidin-1-ylmethyl]-2,3-dihydroimidazo[2,1-b]oxazole,
2-[4-(4-trifluoromethoxyphenyl)piperazin-1-ylmethyl]-2-
methyl-6-nitro-2,3-dihydroimidazo[2,1-b]oxazole,

(S)-2-[4-(4-trifluoromethoxyphenyl)piperazin-1-
ylmethyl]-2-methyl-6-nitro-2,3-dihydroimidazo[2,1-
20 b]oxazole,

(R)-2-[4-(4-trifluoromethoxyphenyl)piperazin-1-
ylmethyl]-2-methyl-6-nitro-2,3-dihydroimidazo[2,1-
b]oxazole,

2-[4-(4-chlorophenyl)piperazin-1-ylmethyl]-2-methyl-6-
25 nitro-2,3-dihydroimidazo[2,1-b]oxazole,

(S)-2-[4-(4-chlorophenyl)piperazin-1-ylmethyl]-2-
methyl-6-nitro-2,3-dihydroimidazo[2,1-b]oxazole,

(R)-2-[4-(4-chlorophenyl)piperazin-1-ylmethyl]-2-

- methyl-6-nitro-2,3-dihydroimidazo[2,1-b]oxazole,
 2-methyl-6-nitro-2-[4-(4'-trifluoromethylbiphenyl-4-ylmethyl)piperazin-1-ylmethyl]-2,3-dihydroimidazo[2,1-b]oxazole,
- 5 (S)-2-methyl-6-nitro-2-[4-(4'-trifluoromethylbiphenyl-4-ylmethyl)piperazin-1-ylmethyl]-2,3-dihydroimidazo[2,1-b]oxazole,
 (R)-2-methyl-6-nitro-2-[4-(4'-trifluoromethylbiphenyl-4-ylmethyl)piperazin-1-ylmethyl]-2,3-
- 10 dihydroimidazo[2,1-b]oxazole,
 2-methyl-6-nitro-2-{4-[4-(4-trifluoromethylphenyl)-piperazin-1-yl]phenoxyethyl}-2,3-dihydroimidazo[2,1-b]oxazole,
 (S)-2-methyl-6-nitro-2-{4-[4-(4-trifluoromethylphenyl)-
- 15 piperazin-1-yl]phenoxyethyl}-2,3-dihydroimidazo[2,1-b]oxazole,
 (R)-2-methyl-6-nitro-2-{4-[4-(4-trifluoromethylphenyl)-piperazin-1-yl]phenoxyethyl}-2,3-dihydroimidazo[2,1-b]oxazole,
- 20 2-methyl-6-nitro-2-{4-[4-(4-chlorobenzyl)piperazin-1-yl]phenoxyethyl}-2,3-dihydroimidazo[2,1-b]oxazole,
 (S)-2-methyl-6-nitro-2-{4-[4-(4-chlorobenzyl)piperazin-1-yl]phenoxyethyl}-2,3-dihydroimidazo[2,1-b]oxazole,
 (R)-2-methyl-6-nitro-2-{4-[4-(4-chlorobenzyl)piperazin-
- 25 1-yl]phenoxyethyl}-2,3-dihydroimidazo[2,1-b]oxazole,
 2-methyl-6-nitro-2-{4-[4-(4-chlorophenyl)piperazin-1-yl]phenoxyethyl}-2,3-dihydroimidazo[2,1-b]oxazole,
 (S)-2-methyl-6-nitro-2-{4-[4-(4-chlorophenyl)piperazin-

- 1-yl]phenoxyethyl)-2,3-dihydroimidazo[2,1-b]oxazole,
 (R)-2-methyl-6-nitro-2-{4-[4-(4-chlorophenyl)piperazin-
 1-yl]phenoxyethyl)-2,3-dihydroimidazo[2,1-b]oxazole,
 2-methyl-6-nitro-2-{4-[4-(4-trifluoromethoxybenzyloxy-
 5 carbonyl)piperazin-1-yl]phenoxyethyl)-2,3-
 dihydroimidazo[2,1-b]oxazole,
 (S)-2-methyl-6-nitro-2-{4-[4-(4-trifluoromethoxy-
 benzyloxycarbonyl)piperazin-1-yl]phenoxyethyl)-2,3-
 dihydroimidazo[2,1-b]oxazole,
 10 (R)-2-methyl-6-nitro-2-{4-[4-(4-trifluoromethoxy-
 benzyloxycarbonyl)piperazin-1-yl]phenoxyethyl)-2,3-
 dihydroimidazo[2,1-b]oxazole,
 2-methyl-6-nitro-2-{4-[4-(3,4-dichlorobenzyloxy-
 carbonyl)piperazin-1-yl]phenoxyethyl)-2,3-
 15 dihydroimidazo[2,1-b]oxazole,
 (S)-2-methyl-6-nitro-2-{4-[4-(3,4-dichlorobenzyloxy-
 carbonyl)piperazin-1-yl]phenoxyethyl)-2,3-
 dihydroimidazo[2,1-b]oxazole,
 (R)-2-methyl-6-nitro-2-{4-[4-(3,4-dichlorobenzyloxy-
 20 carbonyl)piperazin-1-yl]phenoxyethyl)-2,3-
 dihydroimidazo[2,1-b]oxazole,
 2-methyl-6-nitro-2-[4-(4-trifluoromethoxyphenoxy)-
 piperidin-1-ylmethyl]-2,3-dihydroimidazo[2,1-b]oxazole,
 (S)-2-methyl-6-nitro-2-[4-(4-trifluoromethoxyphenoxy)-
 25 piperidin-1-ylmethyl]-2,3-dihydroimidazo[2,1-b]oxazole,
 (R)-2-methyl-6-nitro-2-[4-(4-trifluoromethoxyphenoxy)-
 piperidin-1-ylmethyl]-2,3-dihydroimidazo[2,1-b]oxazole,
 2-methyl-6-nitro-2-[4-(4-trifluoromethylphenyl)-

- piperazin-1-ylmethyl]-2,3-dihydroimidazo[2,1-b]oxazole,
 (S)-2-methyl-6-nitro-2-[4-(4-trifluoromethylphenyl)-
 piperazin-1-ylmethyl]-2,3-dihydroimidazo[2,1-b]oxazole,
 (R)-2-methyl-6-nitro-2-[4-(4-trifluoromethylphenyl)-
 5 piperazin-1-ylmethyl]-2,3-dihydroimidazo[2,1-b]oxazole,
 2-methyl-6-nitro-2-[4-(5-trifluoromethoxylbenzofuran-2-
 ylmethyleneamino)piperazin-1-ylmethyl]-2,3-
 dihydroimidazo[2,1-b]oxazole,
 (S)-2-methyl-6-nitro-2-[4-(5-trifluoromethoxyl-
 10 benzofuran-2-ylmethyleneamino)piperazin-1-ylmethyl]-
 2,3-dihydroimidazo[2,1-b]oxazole,
 (R)-2-methyl-6-nitro-2-[4-(5-trifluoromethoxyl-
 benzofuran-2-ylmethyleneamino)piperazin-1-ylmethyl]-
 2,3-dihydroimidazo[2,1-b]oxazole,
 15 2-methyl-6-nitro-2-[4-(5-trifluoromethylbenzofuran-2-
 ylmethyleneamino)piperazin-1-ylmethyl]-2,3-
 dihydroimidazo[2,1-b]oxazole,
 (S)-2-methyl-6-nitro-2-[4-(5-trifluoromethylbenzofuran-
 2-ylmethyleneamino)piperazin-1-ylmethyl]-2,3-
 20 dihydroimidazo[2,1-b]oxazole,
 (R)-2-methyl-6-nitro-2-[4-(5-trifluoromethylbenzofuran-
 2-ylmethyleneamino)piperazin-1-ylmethyl]-2,3-
 dihydroimidazo[2,1-b]oxazole,
 2-methyl-6-nitro-2-[4-[4-(4-chlorophenoxy)piperidin-1-
 25 yl]phoxymethyl]-2,3-dihydroimidazo[2,1-b]oxazole,
 (S)-2-methyl-6-nitro-2-[4-[4-(4-chlorophenoxy)-
 piperidin-1-yl]phoxymethyl]-2,3-dihydroimidazo[2,1-
 b]oxazole,

(R)-2-methyl-6-nitro-2-{4-[4-(4-chlorophenoxy)-
piperidin-1-yl]phenoxyethyl}-2,3-dihydroimidazo[2,1-
b]oxazole,

2-methyl-6-nitro-2-{4-[4-(4-trifluoromethylphenoxy)-
5 piperidin-1-yl]phenoxyethyl}-2,3-dihydroimidazo[2,1-
b]oxazole,

(S)-2-methyl-6-nitro-2-{4-[4-(4-trifluoromethyl-
phenoxy)piperidin-1-yl]phenoxyethyl}-2,3-
dihydroimidazo[2,1-b]oxazole,

10 (R)-2-methyl-6-nitro-2-{4-[4-(4-trifluoromethyl-
phenoxy)piperidin-1-yl]phenoxyethyl}-2,3-
dihydroimidazo[2,1-b]oxazole,

2-methyl-6-nitro-2-{4-[1-(4-chlorobenzyl)piperidin-4-
yl]phenoxyethyl}-2,3-dihydroimidazo[2,1-b]oxazole,

15 (S)-2-methyl-6-nitro-2-{4-[1-(4-chlorobenzyl)piperidin-
4-yl]phenoxyethyl}-2,3-dihydroimidazo[2,1-b]oxazole,
or

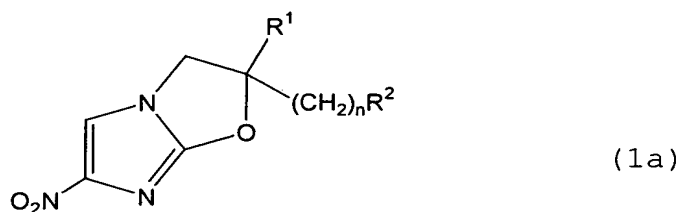
(R)-2-methyl-6-nitro-2-{4-[1-(4-chlorobenzyl)piperidin-
4-yl]phenoxyethyl}-2,3-dihydroimidazo[2,1-b]oxazole.

20 The present invention provides a pharma-
ceutical composition which is an antitubercular agent
comprising, as an active ingredient, the 2,3-dihydro-6-
nitroimidazo[2,1-b]oxazole compound, optically active
form thereof, or pharmacologically acceptable salt
25 thereof represented by general formula (1) or (1').

In particular, the present invention provides
a pharmaceutical composition which is an antitubercular
agent comprising, as an active ingredient, at least one

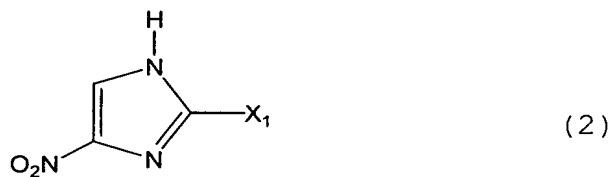
compound selected from the 2,3-dihydro-6-nitroimidazo-[2,1-b]oxazole compounds that are preferred compound listed above.

The present invention provides a method for
 5 producing a compound represented by the following general formula (1a):

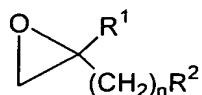


wherein R^1 , R^2 and n are defined as the same as in claim 1,

10 said production method comprising: the reaction of a 4-nitroimidazole compound represented by the following general formula (2):

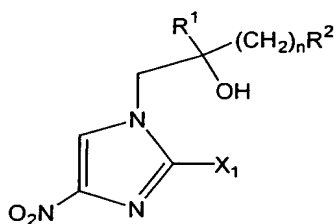


wherein X_1 represents a halogen atom or nitro group,
 15 with an epoxy compound represented by the following general formula (3a):



(3a)

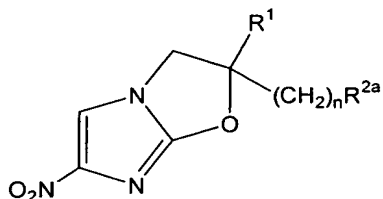
wherein R^1 , R^2 and n are defined as the same as in claim 1, so as to obtain a compound represented by the following general formula (4a):



(4a)

5 wherein R^1 , R^2 and n are defined as the same as in claim 1, and X_1 represents a halogen atom or nitro group; and the following ring closure of the obtained compound represented by the above general formula (4a).

The present invention provides a method for
10 producing a compound represented by the following general formula (1b):

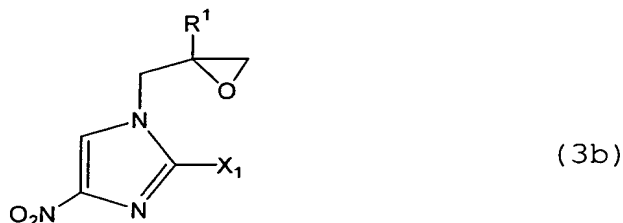


(1b)

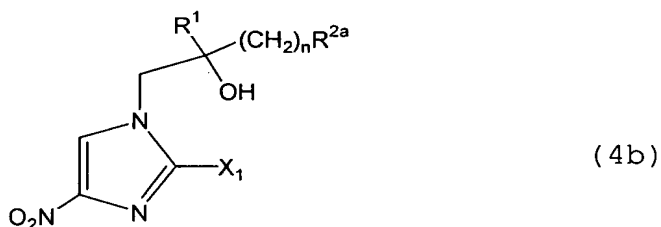
wherein R^1 is as defined in claim 1, and R^{2a} represents a group represented by the general formula (A), (B), (E)

or (F) according to claim 1,

said production method comprising: the reaction of a compound represented by the following general formula (3b):



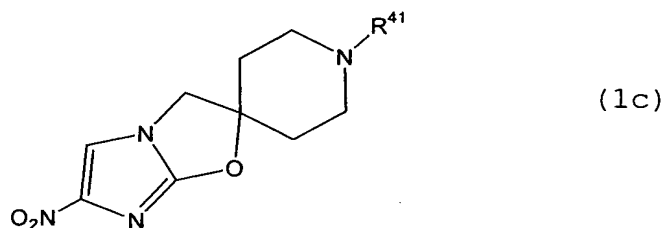
5 wherein R^1 is as defined in claim 1, and X_1 represents a halogen atom or nitro group,
with a compound (5) represented by the following general formula $R^{2a}H$ (5) or a salt thereof,
wherein R^{2a} represents the group represented by the
10 general formula (A), (B), (E) or (F) according to claim 1, so as to obtain a compound represented by the following general formula (4b):



wherein R^1 is as defined in claim 1, R^{2a} represents the group represented by the general formula (A), (B), (E)
15 or (F) according to claim 1, and X_1 represents a halogen atom or nitro group; and

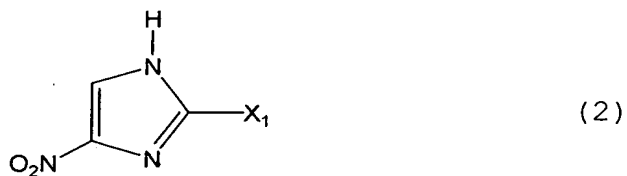
the following ring closure of the obtained compound represented by the above general formula (4b).

The present invention provides a method for producing a compound represented by the following
 5 general formula (1c):



wherein R^{41} is as defined in claim 1,

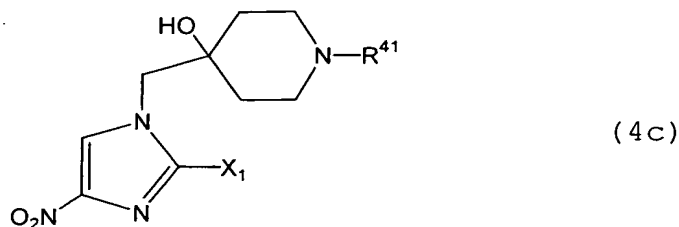
said production method comprising: the reaction of a compound represented by the following general formula (2):



10 wherein X_1 represents a halogen atom or nitro group, with a compound represented by the following general formula (3c):



wherein R^{41} is as defined in claim 1,
 so as to obtain a compound represented by the following
 general formula (4c):



wherein R^{41} is as defined in claim 1, and X_1 represents a
 5 halogen atom or nitro group; and
 the following ring closure of the obtained compound
 represented by the above general formula (4c).

BEST MODE FOR CARRYING OUT THE INVENTION

In this specification, each group represented
 10 by R^1 , R^2 , R^3 or the like is specifically as follows:

Examples of halogen atoms are, for example,
 fluorine atom, chlorine atom, bromine atom and iodine
 atom.

A C1-6 alkyl group is a straight or branched
 15 alkyl group containing 1 to 6 carbon atoms, examples of
 which include a methyl group, ethyl group, n-propyl
 group, isopropyl group, n-butyl group, isobutyl group,
 tert-butyl group, sec-butyl group, n-pentyl group,
 neopentyl group, n-hexyl group, isohexyl group, 3-

methylpentyl group or the like.

A C1-6 alkylene group is a straight or branched alkylene group containing 1 to 6 carbon atoms, examples of which include a methylene group, ethylene
5 group, trimethylene group, 2-methyltrimethylene group, 2,2-dimethyltrimethylene group, 1-methyltrimethylene group, methylmethylene group, ethylmethylene group, tetramethylene group, pentamethylene group, hexamethylene group or the like.

10 A C1-6 alkoxy group is a group containing a C1-6 alkyl group, as defined above, and an oxygen atom, examples of which include a methoxy group, ethoxy group, n-propoxy group, isopropoxy group, n-butoxy group, isobutoxy group, tert-butoxy group, sec-butoxy
15 group, n-pentoxy group, neopentoxy group, n-hexyloxy group, isohexyloxy group, 3-methylpentoxy group or the like.

A C1-6 alkoxy-C1-6 alkyl group is a group containing a C1-6 alkyl group and C1-6 alkoxy group
20 described above, examples of which include a methoxy-methyl group, 2-methoxyethyl group, 3-methoxypropyl group, 4-methoxybutyl group, 5-methoxypentyl group, 6-methoxyhexyl group, ethoxymethyl group, 2-ethoxyethyl group, 3-ethoxypropyl group, 2-isopropoxyethyl group, tert-butoxymethyl group, 2-(tert-butoxy)ethyl group, 3-
25 (tert-butoxy)propyl group, 6-(tert-butoxy)hexyl group, 4-(tert-butoxy)butyl group or the like.

A halogen-substituted or unsubstituted C1-6

alkyl group is a straight or branched alkyl group containing 1 to 6 carbon atoms, as defined above, and optionally substituted by 1 to 7 halogen atoms, examples of which include a methyl group, ethyl group, 5 n-propyl group, isopropyl group, n-butyl group, isobutyl group, tert-butyl group, sec-butyl group, n-pentyl group, neopentyl group, n-hexyl group, isohexyl group, 3-methylpentyl group, fluoromethyl group, difluoromethyl group, trifluoromethyl group, chloro- 10 methyl group, dichloromethyl group, trichloromethyl group, bromomethyl group, dibromomethyl group, dichlorofluoromethyl group, 2,2,2-trifluoroethyl group, pentafluoroethyl group, 2-chloroethyl group, 3,3,3-trifluoropropyl group, heptafluoropropyl group, 15 heptafluoroisopropyl group, 3-chloropropyl group, 2-chloropropyl group, 3-bromopropyl group, 4,4,4-trifluorobutyl group, 4,4,4,3,3-pentafluorobutyl group, 4-chlorobutyl group, 4-bromobutyl group, 2-chlorobutyl group, 5,5,5-trifluoropentyl group, 5-chloropentyl 20 group, 6,6,6-trifluorohexyl group, 6-chlorohexyl group or the like.

A halogen-substituted or unsubstituted C1-6 alkoxy group is a C1-6 alkoxy group, as defined above, and an alkoxy group substituted by 1 to 7 halogen 25 atoms, examples of which include a methoxy group, ethoxy group, n-propoxy group, isopropoxy group, n-butoxy group, isobutoxy group, tert-butoxy group, sec-butoxy group, n-pentoxy group, neopentoxy group, n-

hexyloxy group, isohexyloxy group, 3-methylpentoxy group, fluoromethoxy group, difluoromethoxy group, trifluoromethoxy group, chloromethoxy group, dichloromethoxy group, trichloromethoxy group, bromomethoxy group, dibromomethoxy group, dichloro-
 5 fluoromethoxy group, 2,2,2-trifluoroethoxy group, pentafluoroethoxy group, 2-chloroethoxy group, 3,3,3-trifluoropropoxy group, heptafluoropropoxy group, heptafluoroisopropoxy group, 3-chloropropoxy group, 2-
 10 chloropropoxy group, 3-bromopropoxy group, 4,4,4-trifluorobutoxy group, 4,4,4,3,3-pentafluorobutoxy group, 4-chlorobutoxy group, 4-bromobutoxy group, 2-chlorobutoxy group, 5,5,5-trifluoropentoxy group, 5-chloropentoxy group, 6,6,6-trifluorohexyloxy group, 6-
 15 chlorohexyloxy group or the like.

Examples of a phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a phenyl C1-6 alkoxy group; a halogen-substituted or unsubstituted
 20 C1-6 alkyl group; a halogen-substituted or unsubstituted C1-6 alkoxy group; and phenoxy group which may have at least one halogen-substituted or unsubstituted C1-6 alkoxy group as a substituent on the phenyl ring) include a phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by 1 to 3 groups selected from
 25 a group consisting of a phenyl C1-6 alkoxy group, a halogen-substituted or unsubstituted C1-6 alkyl group, a halogen-substituted or unsubstituted C1-6 alkoxy

group, and a phenoxy group which may have 1 to 3 a halogen-substituted or unsubstituted C1-6 alkoxy groups as a substituent on the phenyl ring), for example, a benzyl group, 1-phenethyl group, 2-phenethyl group, 3-phenylpropyl group, 2-phenylpropyl group, 4-phenylbutyl group, 5-phenylpentyl group, 4-phenylpentyl group, 6-phenylhexyl group, 2-benzyloxybenzyl group, 3-benzyloxybenzyl group, 4-benzyloxybenzyl group, 2,4-dibenzyloxybenzyl group, 2,4,6-tribenzyloxybenzyl group, 2-(2-phenethyloxy)benzyl group, 3-(2-phenethyloxy)benzyl group, 4-(2-phenethyloxy)benzyl group, 2-(3-phenylpropoxy)benzyl group, 3-(3-phenylpropoxy)benzyl group, 4-(3-phenylpropoxy)benzyl group, 2-(4-phenylbutoxy)benzyl group, 3-(4-phenylbutoxy)benzyl group, 4-(4-phenylbutoxy)benzyl group, 2-(5-phenylpentyloxy)benzyl group, 3-(5-phenylpentyloxy)benzyl group, 4-(5-phenylpentyloxy)benzyl group, 2-(6-phenylhexyloxy)benzyl group, 3-(6-phenylhexyloxy)benzyl group, 4-(6-phenylhexyloxy)benzyl group, 2-methylbenzyl group, 2,3-dimethylbenzyl group, 3,4-dimethylbenzyl group, 3,5-dimethylbenzyl group, 2,6-dimethylbenzyl group, 2,4-dimethylbenzyl group, 2,5-dimethylbenzyl group, 2,4,6-trimethylbenzyl group, 3,5-ditrifluoromethylbenzyl group, 2,4,6-trifluoromethylbenzyl group, 2-trifluoromethylbenzyl group, 3-trifluoromethylbenzyl group, 4-trifluoromethylbenzyl group, 2-trifluoromethoxybenzyl group, 3-trifluoromethoxybenzyl group, 4-trifluoromethoxybenzyl group, 3-methoxybenzyl group,

2,3-dimethoxybenzyl group, 3,4-dimethoxybenzyl group,
 3,5-dimethoxybenzyl group, 2,6-dimethoxybenzyl group,
 2,4-dimethoxybenzyl group, 2,5-dimethoxybenzyl group,
 2,4,6-trimethoxybenzyl group, 2,6-ditrifluoromethoxy-
 5 benzyl group, 2,3,4-trifluoromethoxybenzyl group, 1-(4-
 benzyloxyphenyl)ethyl group, 1-(3-benzyloxyphenyl)ethyl
 group, 1-(2-benzyloxyphenyl)ethyl group, 1-(2-
 trifluoromethylphenyl)ethyl group, 1-(3-trifluoro-
 methylphenyl)ethyl group, 1-(4-trifluoromethylphenyl)-
 10 ethyl group, 1-(2-trifluoromethoxyphenyl)ethyl group,
 1-(3-trifluoromethoxyphenyl)ethyl group, 1-(4-
 trifluoromethoxyphenyl)ethyl group, 2-(4-benzyloxy-
 phenyl)ethyl group, 2-(3-benzyloxyphenyl)ethyl group,
 2-(2-benzyloxyphenyl)ethyl group, 2-(2-trifluoromethyl-
 15 phenyl)ethyl group, 2-(3-trifluoromethylphenyl)ethyl
 group, 2-(4-trifluoromethylphenyl)ethyl group, 2-(2-
 trifluoromethoxyphenyl)ethyl group, 2-(3-trifluoro-
 methoxyphenyl)ethyl group, 2-(4-trifluoromethoxy-
 phenyl)ethyl group, 3-(4-benzyloxyphenyl)propyl group,
 20 3-(3-benzyloxyphenyl)propyl group, 3-(2-benzyloxy-
 phenyl)propyl group, 3-(2-trifluoromethylphenyl)propyl
 group, 3-(3-trifluoromethylphenyl)propyl group, 3-(4-
 trifluoromethylphenyl)propyl group, 3-(2-trifluoro-
 methoxyphenyl)propyl group, 3-(3-trifluoromethoxy-
 25 phenyl)propyl group, 3-(4-trifluoromethoxyphenyl)propyl
 group, 4-(3-trifluoromethylphenyl)butyl group, 5-(4-
 trifluoromethylphenyl)pentyl group, 4-(4-trifluoro-
 methylphenyl)pentyl group, 4-(4-trifluoromethoxy-

phenyl)pentyl group, 6-(3-trifluoromethylphenyl)hexyl group, 6-(4-trifluoromethylphenyl)hexyl group, 6-(4-trifluoromethoxyphenyl)hexyl group, 2-phenoxybenzyl group, 3-phenoxybenzyl group, 4-phenoxybenzyl group, 5 2,5-diphenoxybenzyl group, 2,4,6-triphenoxybenzyl group, 1-(4-phenoxyphenyl)ethyl group, 1-(3-phenoxyphenyl)ethyl group, 1-(2-phenoxyphenyl)ethyl group, 3-(4-phenoxyphenyl)propyl group, 3-(3-phenoxyphenyl)propyl group, 3-(2-phenoxyphenyl)propyl 10 group, 2-(4-trifluoromethoxyphenoxy)benzyl group, 3-(4-trifluoromethoxyphenoxy)benzyl group, 4-(4-trifluoromethoxyphenoxy)benzyl group, 1-(4-(4-trifluoromethoxyphenoxy)phenyl)ethyl group, 1-(3-(4-trifluoromethoxyphenoxy)phenyl)ethyl group, 1-(2-(4-trifluoromethoxyphenoxy)phenyl)ethyl group, 3-(4-(4-trifluoromethoxyphenoxy)phenyl)propyl group, 3-(3-(4-trifluoromethoxyphenoxy)phenyl)propyl group, 3-(2-(4-trifluoromethoxyphenoxy)phenyl)propyl group, 2-trifluoromethyl-3-trifluoromethoxybenzyl group, 2-benzyloxy-3-trifluoromethoxybenzyl group, 3-phenoxy-4-trifluoromethylbenzyl group or the like.

Examples of a biphenylyl C1-6 alkyl group include the phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by 1 to 3 groups 25 selected from a group consisting of a phenyl C1-6 alkoxy group, a halogen-substituted or unsubstituted C1-6 alkyl group, a halogen-substituted or unsubstituted C1-6 alkoxy group and a phenoxy group

which may have at least one halogen-substituted or unsubstituted C1-6 alkoxy group as a substituent on the phenyl ring), for example, a 2-biphenylylmethyl group, 2-(2-biphenylyl)ethyl group, 3-(2-biphenylyl)propyl
 5 group, 4-(2-biphenylyl)butyl group, 5-(2-biphenylyl)-pentyl group, 6-(2-biphenylyl)hexyl group, 3-biphenylylmethyl group, 2-(3-biphenylyl)ethyl group, 3-(3-biphenylyl)propyl group, 4-(3-biphenylyl)butyl
 group, 5-(3-biphenylyl)pentyl group, 6-(3-biphenylyl)-
 10 hexyl group, 4-biphenylylmethyl group, 2-(4-biphenylyl)ethyl group, 3-(4-biphenylyl)propyl group, 4-(4-biphenylyl)butyl group, 5-(4-biphenylyl)pentyl group, 6-(4-biphenylyl)hexyl group or the like.

A phenyl C2-6 alkenyl group is a group
 15 containing a phenyl group and an alkenyl group having 2 to 6 carbon atoms and 1 to 3 double bonds. These groups may be either in trans or cis form and both forms are included as a matter of course. For example, included is a 3-phenyl-2-propenyl group (trivial name:
 20 cinnamyl group), 4-phenyl-2-butenyl group, 4-phenyl-3-butenyl group, 5-phenyl-4-pentenyl group, 5-phenyl-3-pentenyl group, 6-phenyl-5-hexenyl group, 6-phenyl-4-hexenyl group, 6-phenyl-3-hexenyl group, 4-phenyl-1,3-butadienyl group, 6-phenyl-1,3,5-hexatrienyl group or
 25 the like.

A C1-6 alkylsulfonyl group is a group containing an alkyl group containing 1 to 6 carbon atoms and a sulfonyl group, examples of which include a

methanesulfonyl group, ethanesulfonyl group, propane-sulfonyl group, butanesulfonyl group, pentanesulfonyl group, hexanesulfonyl group or the like.

Examples of a benzene sulfonyl group which
5 may be substituted by a C1-6 alkyl group include a benzenesulfonyl group which may be substituted by 1 to 3 C1-6 alkyl groups, for example, a benzene sulfonyl group, o-toluenesulfonyl group, m-toluenesulfonyl group, p-toluenesulfonyl group, 2-ethylbenzenesulfonyl
10 group, 3-ethylbenzenesulfonyl group, 4-ethylbenzenesulfonyl group, 2-propylbenzenesulfonyl group, 3-propylbenzenesulfonyl group, 4-propylbenzenesulfonyl group, 2,3-dimethylbenzenesulfonyl group, 2,4-dimethylbenzenesulfonyl group, 2,4,6-trimethylbenzene-
15 sulfonyl group or the like.

A C1-6 alkanoyl group is a group derived from an aliphatic carboxylic acid containing 1 to 6 carbon atoms, examples of which include a formyl group, acetyl group, propionyl group, butyryl group, pentanoyl group,
20 hexanoyl group or the like.

A C1-6 alkoxycarbonyl group is a group containing a C1-6 alkoxy group, as defined above, and a carbonyl group, examples of which include a methoxycarbonyl group, ethoxycarbonyl group, propoxycarbonyl
25 group, isopropoxycarbonyl group, n-butoxycarbonyl group, isobutoxycarbonyl group, tert-butoxycarbonyl group, sec-butoxycarbonyl group, n-pentoxycarbonyl group, neopentoxycarbonyl group, n-hexyloxycarbonyl group,

isohexyloxycarbonyl group, 3-methylpentoxycarbonyl group or the like.

A phenyl C1-6 alkoxy carbonyl group (which may be substituted on the phenyl ring by at least one group
5 selected from a group consisting of a phenyl C1-6 alkoxy group, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group) is a group containing a phenyl C1-6 alkoxy group which may be substituted on
10 the phenyl ring, as defined above, by 1 to 3 groups selected from a group consisting of a phenyl C1-6 alkoxy group, a halogen-substituted or unsubstituted C1-6 alkyl group, and a halogen-substituted or unsubstituted C1-6 alkoxy group and a carbonyl group,
15 examples of which include a benzyloxycarbonyl group, 1-phenylethoxycarbonyl group, 2-phenylethoxycarbonyl group, 3-phenylpropoxycarbonyl group, 2-phenylpropoxycarbonyl group, 4-phenylbutoxycarbonyl group, 5-phenylpentoxycarbonyl group, 4-phenylpentoxycarbonyl
20 group, 6-phenylhexyloxycarbonyl group, 2-benzyloxybenzyloxycarbonyl group, 3-benzyloxybenzyloxycarbonyl group, 4-benzyloxybenzyloxycarbonyl group, 2,4-dibenzyloxybenzyloxycarbonyl group, 3,4,5-benzyloxybenzyloxycarbonyl group, 2-trifluoromethylbenzyloxy-
25 carbonyl group, 2-methylbenzyloxycarbonyl group, 3-methylbenzyloxycarbonyl group, 4-methylbenzyloxycarbonyl group, 2,6-dimethylbenzyloxycarbonyl group, 2,4,6-trimethylbenzyloxycarbonyl group, 2,3-ditrifluoro-

methylbenzyloxycarbonyl group, 2,4,6-tri(trifluoro-
 methyl)benzyloxycarbonyl group, 2-methoxybenzyloxy-
 carbonyl group, 3-methoxybenzyloxycarbonyl group, 4-
 methoxybenzyloxycarbonyl group, 2,4-dimethoxybenzyloxy-
 5 carbonyl group, 3,4,5-trimethoxybenzyloxycarbonyl
 group, 2,5-ditrifluoromethoxybenzyloxycarbonyl group,
 2,4,6-tri(trifluoromethoxy)benzyloxycarbonyl group, 3-
 trifluoromethylbenzyloxycarbonyl group, 4-trifluoro-
 methylbenzyloxycarbonyl group, 2-trifluoromethoxy-
 10 benzyloxycarbonyl group, 3-trifluoromethoxybenzyloxy-
 carbonyl group, 4-trifluoromethoxybenzyloxycarbonyl
 group, 2-(2-trifluoromethylphenyl)ethoxycarbonyl group,
 2-(3-trifluoromethylphenyl)ethoxycarbonyl group, 2-(4-
 trifluoromethylphenyl)ethoxycarbonyl group, 2-(2-
 15 trifluoromethoxyphenyl)ethoxycarbonyl group, 2-(3-
 trifluoromethoxyphenyl)ethoxycarbonyl group, 2-(4-
 trifluoromethoxyphenyl)ethoxycarbonyl group, 3-(4-
 benzyloxyphenyl)propoxycarbonyl group, 3-(3-
 benzyloxyphenyl)propoxycarbonyl group, 3-(2-
 20 benzyloxyphenyl)propoxycarbonyl group, 3-(2-
 trifluoromethylphenyl)propoxycarbonyl group, 3-(3-
 trifluoromethylphenyl)propoxycarbonyl group, 3-(4-
 trifluoromethylphenyl)propoxycarbonyl group, 3-(2-
 trifluoromethoxyphenyl)propoxycarbonyl group, 3-(3-
 25 trifluoromethoxyphenyl)propoxycarbonyl group, 3-(4-
 trifluoromethoxyphenyl)propoxycarbonyl group, 4-(3-
 benzyloxyphenyl)butoxycarbonyl group, 4-(4-
 benzyloxyphenyl)butoxycarbonyl group, 4-(3-

- trifluoromethylphenyl)butoxycarbonyl group, 4-(4-trifluoromethylphenyl)butoxycarbonyl group, 5-(3-benzyloxyphenyl)pentoxycarbonyl group, 5-(4-benzyloxyphenyl)pentoxycarbonyl group, 5-(4-
- 5 trifluoromethylphenyl)pentoxycarbonyl group, 4-(4-trifluoromethylphenyl)pentoxycarbonyl group, 4-(4-trifluoromethoxyphenyl)pentoxycarbonyl group, 6-(3-benzyloxyphenyl)hexyloxycarbonyl group, 6-(4-benzyloxyphenyl)hexyloxycarbonyl group, 6-[3-(2-
- 10 phenethyloxy)phenyl]hexyloxycarbonyl group, 6-[4-(2-phenethyloxy)phenyl]hexyloxycarbonyl group, 6-[3-(3-phenylpropoxy)phenyl]hexyloxycarbonyl group, 6-[4-(4-phenylbutoxy)phenyl]hexyloxycarbonyl group, 6-[4-(5-phenylpentyloxy)phenyl]hexyloxycarbonyl group, 6-[4-(6-
- 15 phenylhexyloxy)phenyl]hexyloxycarbonyl group, 6-(3-trifluoromethylphenyl)hexyloxycarbonyl group, 6-(4-trifluoromethylphenyl)hexyloxycarbonyl group, 6-(4-trifluoromethoxyphenyl)hexyloxycarbonyl group, 2-trifluoromethyl-4-benzyloxybenzyloxycarbonyl group, 3-
- 20 trifluoromethoxy-5-benzyloxybenzyloxycarbonyl group, 2-trifluoromethyl-3-trifluoromethoxybenzyloxycarbonyl group or the like.

Examples of a phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one

25 group selected from a group consisting of a phenyl C1-6 alkoxy group, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group) include a phenyl C1-6 alkyl group

(which may be substituted on the phenyl ring by 1 to 3 groups selected from a group consisting of a phenyl C1-6 alkoxy group, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or

5 unsubstituted C1-6 alkoxy group), for example, a benzyl group, 1-phenethyl group, 2-phenethyl group, 3-phenylpropyl group, 2-phenylpropyl group, 4-phenylbutyl group, 5-phenylpentyl group, 4-phenylpentyl group, 6-phenylhexyl group, 2-benzyloxybenzyl group, 3-

10 benzyloxybenzyl group, 4-benzyloxybenzyl group, 2,4-dibenzyloxybenzyl group, 2,4,6-tribenzyloxybenzyl group, 2-(2-phenethyloxy)benzyl group, 3-(2-phenethyloxy)benzyl group, 4-(2-phenethyloxy)benzyl group, 2-(3-phenylpropoxy)benzyl group, 3-(3-

15 phenylpropoxy)benzyl group, 4-(3-phenylpropoxy)benzyl group, 2-(4-phenylbutoxy)benzyl group, 3-(4-phenylbutoxy)benzyl group, 4-(4-phenylbutoxy)benzyl group, 2-(5-phenylpentyloxy)benzyl group, 3-(5-phenylpentyloxy)benzyl group, 4-(5-phenylpentyloxy)-

20 benzyl group, 2-(6-phenylhexyloxy)benzyl group, 3-(6-phenylhexyloxy)benzyl group, 4-(6-phenylhexyloxy)benzyl group, 2-methylbenzyl group, 2,3-dimethylbenzyl group, 3,4-dimethylbenzyl group, 3, 5-dimethylbenzyl group, 2,6-dimethylbenzyl group, 2,4-dimethylbenzyl group, 2,5-

25 dimethylbenzyl group, 2,4,6-trimethylbenzyl group, 3,5-ditrifluoromethylbenzyl group, 2,4,6-trifluoromethylbenzyl group, 2-trifluoromethylbenzyl group, 3-trifluoromethylbenzyl group, 4-trifluoromethylbenzyl

group, 2-trifluoromethoxybenzyl group, 3-trifluoro-
methoxybenzyl group, 4-trifluoromethoxybenzyl group, 3-
methoxybenzyl group, 2,3-dimethoxybenzyl group, 3,4-
dimethoxybenzyl group, 3,5-dimethoxybenzyl group, 2,6-
5 dimethoxybenzyl group, 2,4-dimethoxybenzyl group, 2,5-
dimethoxybenzyl group, 2,4,6-trimethoxybenzyl group,
2,6-ditrifluoromethoxybenzyl group, 2,3,4-trifluoro-
methoxybenzyl group, 1-(4-benzyloxyphenyl)ethyl group,
1-(3-benzyloxyphenyl)ethyl group, 1-(2-benzyloxy-
10 phenyl)ethyl group, 1-(2-trifluoromethylphenyl)ethyl
group, 1-(3-trifluoromethylphenyl)ethyl group, 1-(4-
trifluoromethylphenyl)ethyl group, 1-(2-trifluoro-
methoxyphenyl)ethyl group, 1-(3-trifluoromethoxy-
phenyl)ethyl group, 1-(4-trifluoromethoxyphenyl)ethyl
15 group, 2-(4-benzyloxyphenyl)ethyl group, 2-(3-
benzyloxyphenyl)ethyl group, 2-(2-benzyloxyphenyl)ethyl
group, 2-(2-trifluoromethylphenyl)ethyl group, 2-(3-
trifluoromethylphenyl)ethyl group, 2-(4-trifluoro-
methylphenyl)ethyl group, 2-(2-trifluoromethoxy-
20 phenyl)ethyl group, 2-(3-trifluoromethoxyphenyl)ethyl
group, 2-(4-trifluoromethoxyphenyl)ethyl group, 3-(4-
benzyloxyphenyl)propyl group, 3-(3-benzyloxyphenyl)-
propyl group, 3-(2-benzyloxyphenyl)propyl group, 3-(2-
trifluoromethylphenyl)propyl group, 3-(3-trifluoro-
25 methylphenyl)propyl group, 3-(4-trifluoromethyl-
phenyl)propyl group, 3-(2-trifluoromethylphenyl)propyl
group, 3-(3-trifluoromethoxyphenyl)propyl group, 3-(4-
trifluoromethoxyphenyl)propyl group, 4-(3-trifluoro-

methylphenyl)butyl group, 5-(4-trifluoromethyl-
 phenyl)pentyl group, 4-(4-trifluoromethylphenyl)pentyl
 group, 4-(4-trifluoromethoxyphenyl)pentyl group, 6-(3-
 trifluoromethylphenyl)hexyl group, 6-(4-trifluoro-
 5 methylphenyl)hexyl group, 6-(4-trifluoromethoxy-
 phenyl)hexyl group, 2-trifluoromethyl-3-trifluoro-
 methoxybenzyl group, 2-benzyloxy-3-trifluoromethoxy-
 benzyl group, 3-phenoxy-4-trifluoromethylbenzyl group
 or the like.

10 A biphenylyl C1-6 alkoxy carbonyl group
 includes, for example, a 2-biphenylylmethoxycarbonyl
 group, 2-(2-biphenylyl)ethoxycarbonyl group, 3-(2-
 biphenylyl)propoxycarbonyl group, 4-(2-biphenylyl)-
 butoxycarbonyl group, 5-(2-biphenylyl)pentoxycarbonyl
 15 group, 6-(2-biphenylyl)hexyloxycarbonyl group, 3-
 biphenylylmethoxycarbonyl group, 2-(3-biphenylyl)-
 ethoxycarbonyl group, 3-(3-biphenylyl)propoxycarbonyl
 group, 4-(3-biphenylyl)butoxycarbonyl group, 5-(3-
 biphenylyl)pentoxycarbonyl group, 6-(3-biphenylyl)-
 20 hexyloxycarbonyl group, 4-biphenylylmethoxycarbonyl
 group, 2-(4-biphenylyl)ethoxycarbonyl group, 3-(4-
 biphenylyl)propoxycarbonyl group, 4-(4-biphenylyl)-
 butoxycarbonyl group, 5-(4-biphenylyl)pentoxycarbonyl
 group, 6-(4-biphenylyl)hexyloxycarbonyl group or the
 25 like.

Examples of a benzoxazolyl C1-6 alkyl group
 (which may be substituted on the benzoxazole ring by at
 least one oxo group as a substituent) include, for

example, a benzoxazol-2-ylmethyl group, benzoxazol-4-ylmethyl group, benzoxazol-5-ylmethyl group, benzoxazol-6-ylmethyl group, benzoxazol-7-ylmethyl group, 2-(benzoxazol-4-yl)ethyl group, 1-(benzoxazol-5-yl)ethyl group, 3-(benzoxazol-6-yl)propyl group, 4-(benzoxazol-7-yl)butyl group, 5-(benzoxazol-2-yl)pentyl group, 6-(benzoxazol-4-yl)hexyl group, 2-methyl-3-(benzoxazol-5-yl)propyl group, 1,1-dimethyl-2-(benzoxazol-2-yl)ethyl group, (2,3-dihydro-2-oxo-benzoxazol-3-yl)methyl group, (2,3-dihydro-2-oxo-benzoxazol-4-yl)methyl group, (2,3-dihydro-2-oxo-benzoxazol-5-yl)methyl group, (2,3-dihydro-2-oxo-benzoxazol-6-yl)methyl group, (2,3-dihydro-2-oxo-benzoxazol-7-yl)methyl group, 2-(benzoxazol-6-yl)ethyl group, 2-(benzoxazol-7-yl)ethyl group, 2-(2,3-dihydro-2-oxo-benzoxazol-3-yl)ethyl group, 2-(2,3-dihydro-2-oxo-benzoxazol-4-yl)ethyl group, 2-(2,3-dihydro-2-oxo-benzoxazol-5-yl)ethyl group, 2-(2,3-dihydro-2-oxo-benzoxazol-6-yl)ethyl group, 2-(2,3-dihydro-2-oxo-benzoxazol-7-yl)ethyl group, 3-(benzoxazol-2-yl)propyl group, 3-(benzoxazol-4-yl)propyl group, 3-(benzoxazol-5-yl)propyl group, 3-(benzoxazol-7-yl)propyl group, 3-(2,3-dihydro-2-oxo-benzoxazol-3-yl)propyl group, 3-(2,3-dihydro-2-oxo-benzoxazol-4-yl)propyl group, 3-(2,3-dihydro-2-oxo-benzoxazol-5-yl)propyl group, 3-(2,3-dihydro-2-oxo-benzoxazol-6-yl)propyl group, 3-(2,3-dihydro-2-oxo-benzoxazol-7-yl)propyl group, 4-(benzoxazol-2-yl)butyl group, 4-(benzoxazol-4-yl)butyl

group, 4-(benzoxazol-5-yl)butyl group, 4-(benzoxazol-6-yl)butyl group, 4-(2,3-dihydro-2-oxo-benzoxazol-3-yl)butyl group, 4-(2,3-dihydro-2-oxo-benzoxazol-4-yl)butyl group, 4-(2,3-dihydro-2-oxo-benzoxazol-5-yl)butyl group, 4-(2,3-dihydro-2-oxo-benzoxazol-6-yl)butyl group, 4-(2,3-dihydro-2-oxo-benzoxazol-7-yl)butyl group, 5-(benzoxazol-4-yl)pentyl group, 5-(benzoxazol-5-yl)pentyl group, 5-(benzoxazol-6-yl)pentyl group, 5-(benzoxazol-7-yl)pentyl group, 5-(2,3-dihydro-2-oxo-benzoxazol-3-yl)pentyl group, 5-(2,3-dihydro-2-oxo-benzoxazol-4-yl)pentyl group, 5-(2,3-dihydro-2-oxo-benzoxazol-5-yl)pentyl group, 5-(2,3-dihydro-2-oxo-benzoxazol-6-yl)pentyl group, 5-(2,3-dihydro-2-oxo-benzoxazol-7-yl)pentyl group, 6-(benzoxazol-2-yl)hexyl group, 6-(benzoxazol-5-yl)hexyl group, 6-(benzoxazol-6-yl)hexyl group, 6-(benzoxazol-7-yl)hexyl group, 6-(2,3-dihydro-2-oxo-benzoxazol-3-yl)hexyl group, 6-(2,3-dihydro-2-oxo-benzoxazol-4-yl)hexyl group, 6-(2,3-dihydro-2-oxo-benzoxazol-5-yl)hexyl group, 6-(2,3-dihydro-2-oxo-benzoxazol-6-yl)hexyl group, 6-(2,3-dihydro-2-oxo-benzoxazol-7-yl)hexyl group or the like.

A benzoxazolyl group includes, for example, a benzoxazol-2-yl group, benzoxazol-4-yl group, benzoxazol-5-yl group, benzoxazol-6-yl group, benzoxazol-7-yl group or the like.

Examples of an oxazolyl C1-6 alkyl group (which may be substituted on the oxazole ring by at

least one group selected from a group consisting of a phenyl group and a C1-6 alkyl group as a substituent) include an oxazolyl C1-6 alkyl group (which may be substituted on the oxazole ring by 1 to 3 groups

5 selected from a group consisting of a phenyl group and a C1-6 alkyl group as a substituent), for example, an oxazol-2-ylmethyl group, oxazol-4-ylmethyl group, oxazol-5-ylmethyl group, 2-(oxazol-2-yl)ethyl group, 1-(oxazol-4-yl)ethyl group, 3-(oxazol-5-yl)propyl group,

10 4-(oxazol-2-yl)butyl group, 5-(oxazol-4-yl)pentyl group, 6-(oxazol-5-yl)hexyl group, 2-methyl-3-(oxazol-2-yl)propyl group, 1,1-dimethyl-2-(oxazol-5-yl)ethyl group, (4-methyloxazol-2-yl)methyl group, (5-methyloxazol-2-yl)methyl group, (4-ethyloxazol-2-

15 yl)methyl group, (5-ethyloxazol-2-yl)methyl group, (4-n-propyloxazol-2-yl)methyl group, (5-n-propyloxazol-2-yl)methyl group, (4-n-butyloxazol-2-yl)methyl group, (5-n-butyloxazol-2-yl)methyl group, (4-n-pentyloxazol-2-yl)methyl group, (5-n-pentyloxazol-2-yl)methyl group,

20 (4-n-hexyloxazol-2-yl)methyl group, (5-n-hexyloxazol-2-yl)methyl group, 2-(oxazol-4-yl)ethyl group, 2-(oxazol-5-yl)ethyl group, 2-(4-methyloxazol-2-yl)ethyl group, 2-(5-methyloxazol-2-yl)ethyl group, 2-(4-ethyloxazol-2-yl)ethyl group, 2-(5-ethyloxazol-2-yl)ethyl group, 2-

25 (4-n-propyloxazol-2-yl)ethyl group, 2-(5-n-propyloxazol-2-yl)ethyl group, 2-(4-n-butyloxazol-2-yl)ethyl group, 2-(5-n-butyloxazol-2-yl)ethyl group, 2-(4-n-pentyloxazol-2-yl)ethyl group, 2-(5-n-

pentyloxazol-2-yl)ethyl group, 2-(4-n-hexyloxazol-2-yl)ethyl group, 2-(5-n-hexyloxazol-2-yl)ethyl group, 3-(oxazol-2-yl)propyl group, 3-(oxazol-4-yl)propyl group, 3-(4-methyloxazol-2-yl)propyl group, 3-(5-methyloxazol-2-yl)propyl group, 3-(4-ethyloxazol-2-yl)propyl group, 3-(5-ethyloxazol-2-yl)propyl group, 3-(4-n-propyloxazol-2-yl)propyl group, 3-(5-n-propyloxazol-2-yl)propyl group, 3-(4-n-butyloxazol-2-yl)propyl group, 3-(5-n-butyloxazol-2-yl)propyl group, 3-(4-n-pentyloxazol-2-yl)propyl group, 3-(5-n-pentyloxazol-2-yl)propyl group, 3-(4-n-hexyloxazol-2-yl)propyl group, 3-(5-n-hexyloxazol-2-yl)propyl group, 4-(oxazol-4-yl)butyl group, 4-(oxazol-5-yl)butyl group, 4-(4-methyloxazol-2-yl)butyl group, 4-(5-methyloxazol-2-yl)butyl group, 4-(4-ethyloxazol-2-yl)butyl group, 4-(5-ethyloxazol-2-yl)butyl group, 4-(4-n-propyloxazol-2-yl)butyl group, 4-(5-n-propyloxazol-2-yl)butyl group, 4-(4-n-butyloxazol-2-yl)butyl group, 4-(5-n-butyloxazol-2-yl)butyl group, 4-(4-n-pentyloxazol-2-yl)butyl group, 4-(5-n-pentyloxazol-2-yl)butyl group, 4-(4-n-hexyloxazol-2-yl)butyl group, 4-(5-n-hexyloxazol-2-yl)butyl group, 5-(oxazol-2-yl)pentyl group, 5-(oxazol-5-yl)pentyl group, 6-(oxazol-2-yl)hexyl group, 6-(oxazol-4-yl)hexyl group, (5-phenyloxazol-2-yl)methyl group, (2-phenyloxazol-4-yl)methyl group, (2-phenyloxazol-5-yl)methyl group, 2-(5-phenyloxazol-2-yl)ethyl group, 2-(2-phenyloxazol-4-yl)ethyl group, 2-(2-phenyloxazol-5-yl)ethyl group, 3-

(5-phenyloxazol-2-yl)propyl group, 3-(2-phenyloxazol-4-yl)propyl group, 3-(2-phenyloxazol-5-yl)propyl group, 4-(5-phenyloxazol-2-yl)butyl group, 4-(2-phenyloxazol-4-yl)butyl group, 4-(2-phenyloxazol-5-yl)butyl group, 5 5-(5-phenyloxazol-2-yl)pentyl group, 5-(2-phenyloxazol-4-yl)pentyl group, 5-(2-phenyloxazol-5-yl)pentyl group, (2-phenyl-4-methyloxazol-5-yl)methyl group, (2,4-dimethyloxazol-5-yl)methyl group, (2,5-diphenyloxazol-4-yl)methyl group or the like.

10 Examples of a tetrazolyl group (which may be substituted on the tetrazole ring by a phenyl group which may have C1-6 alkyl group(s) or halogen atom(s) as a substituent) include a tetrazolyl group (which may be substituted on the tetrazole ring by a phenyl group
15 which may have 1 to 3 C1-6 alkyl groups or halogen atoms as substituent(s)), for example, a 5-(1H)-tetrazolyl group, 1-methyl-5-(1H)-tetrazolyl group, 1-ethyl-5-(1H)-tetrazolyl group, 1-n-propyl-5-(1H)-tetrazolyl group, 1-isopropyl-5-(1H)-tetrazolyl group,
20 1-n-butyl-5-(1H)-tetrazolyl group, 1-(2-methylpropyl)-5-(1H)-tetrazolyl group, 1-n-pentyl-5-(1H)-tetrazolyl group, 1-n-hexyl-5-(1H)-tetrazolyl group, 1-phenyl-5-(1H)-tetrazolyl group, 1-(4-chlorophenyl)-5-(1H)-tetrazolyl group, 1-(4-fluorophenyl)-5-(1H)-tetrazolyl
25 group, 1-(4-bromophenyl)-5-(1H)-tetrazolyl group, 1-(3,4-difluorophenyl)-5-(1H)-tetrazolyl group, 1-(3,4-dichlorophenyl)-5-(1H)-tetrazolyl group, 1-(3,4,5-trichlorophenyl)-5-(1H)-tetrazolyl group or the like.

A C1-8 alkyl group is a straight or branched alkyl group containing 1 to 8 carbon atoms, examples of which include a methyl group, ethyl group, n-propyl group, isopropyl group, n-butyl group, isobutyl group, 5 tert-butyl group, sec-group, n-pentyl group, neopentyl group, n-hexyl group, isohexyl group, 3-methylpentyl group, n-heptyl group, 6-methylheptyl group, n-octyl group, 3,5-dimethylhexyl group or the like.

Examples of a C1-6 alkyl group substituted by 10 halogen atom(s) include a C1-6 alkyl group substituted by 1 to 7 halogens, for example, a fluoromethyl group, difluoromethyl group, trifluoromethyl group, chloromethyl group, dichloromethyl group, trichloromethyl group, bromomethyl group, dibromomethyl group, 15 dichlorofluoromethyl group, 2,2,2-trifluoroethyl group, pentafluoroethyl group, 2-chloroethyl group, 3,3,3-trifluoropropyl group, heptafluoropropyl group, heptafluoroisopropyl group, 3-chloropropyl group, 2-chloropropyl group, 3-bromopropyl group, 4,4,4- 20 trifluorobutyl group, 4,4,4,3,3-pentafluorobutyl group, 4-chlorobutyl group, 4-bromobutyl group, 2-chlorobutyl group, 5,5,5-trifluoropentyl group, 5-chloropentyl group, 6,6,6-trifluorohexyl group, 6-chlorohexyl group or the like.

25 A C1-6 alkoxy carbonyl-C1-6 alkyl group is a C1-6 alkyl group defined above substituted by the C1-6 alkoxy carbonyl group defined above, examples of which include a methoxycarbonylmethyl group, ethoxycarbonyl-

methyl group, propoxycarbonylmethyl group, isopropoxy-
 carbonylmethyl group, n-butoxycarbonylmethyl group,
 tert-butoxycarbonylmethyl group, pentoxycarbonylmethyl
 group, n-hexyloxycarbonylmethyl group, 2-(methoxy-
 5 carbonyl)ethyl group, 2-(ethoxycarbonyl)ethyl group, 2-
 (1-propoxycarbonyl)ethyl group, 2-(isopropoxycarbonyl)-
 ethyl group, 2-(n-butoxycarbonyl)ethyl group, 2-(tert-
 butoxycarbonyl)ethyl group, 2-(2-pentoxycarbonyl)ethyl
 group, 2-(n-hexyloxycarbonyl)ethyl group, 3-(methoxy-
 10 carbonyl)propyl group, 3-(ethoxycarbonyl)propyl group,
 3-(1-propoxycarbonyl)propyl group, 3-(isopropoxy-
 carbonyl)propyl group, 3-(n-butoxycarbonyl)propyl
 group, 3-(tert-butoxycarbonyl)propyl group, 3-(3-
 pentoxycarbonyl)propyl group, 3-(n-hexyloxycarbonyl)-
 15 propyl group, 4-(methoxycarbonyl)butyl group, 4-
 (ethoxycarbonyl)butyl group, 4-(1-propoxycarbonyl)butyl
 group, 4-(isopropoxycarbonyl)butyl group, 4-(n-
 butoxycarbonyl)butyl group, 4-(tert-butoxycarbonyl)-
 butyl group, 5-(methoxycarbonyl)pentyl group, 5-
 20 (ethoxycarbonyl)pentyl group, 5-(propoxycarbonyl)pentyl
 group, 5-(isopropoxycarbonyl)pentyl group, 5-(n-
 butoxycarbonyl)pentyl group, 5-(tert-butoxycarbonyl)-
 pentyl group, 6-(methoxycarbonyl)hexyl group, 6-
 (ethoxycarbonyl)hexyl group, 6-(propoxycarbonyl)hexyl
 25 group, 6-(isopropoxycarbonyl)hexyl group, 6-(n-
 butoxycarbonyl)hexyl group, 6-(tert-butoxycarbonyl)-
 hexyl group or the like.

A C3-8 cycloalkyl group is a 3-membered, 4-

membered, 5-membered, 6-membered, 7-membered or 8-membered cyclic alkyl group containing 3 to 8 carbon atoms, examples of which include a cyclopropyl group, cyclobutyl group, cyclopentyl group, cyclohexyl group, 5 cycloheptyl group, cyclooctyl group, 3,4-dimethylcyclopentyl group, 3,3-dimethylcyclohexyl group or the like.

A phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom, a 10 halogen-substituted or unsubstituted C1-6 alkyl group or a halogen-substituted or unsubstituted C1-6 alkoxy group) is a phenyl C1-6 alkyl group unsubstituted or substituted on the phenyl ring by 1 to 5 groups, preferably 1 to 3 groups selected from a group 15 consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group and a halogen-substituted or unsubstituted C1-6 alkoxy group, examples of which include a benzyl group, 1-phenethyl group, 2-phenethyl group, 3-phenylpropyl group, 2- 20 phenylpropyl group, 4-phenylbutyl group, 5-phenylpentyl group, 4-phenylpentyl group, 6-phenylhexyl group, 2-fluorobenzyl group, 3-fluorobenzyl group, 4-fluorobenzyl group, 2-chlorobenzyl group, 3-chlorobenzyl group, 4-chlorobenzyl group, 2-bromobenzyl group, 3- 25 bromobenzyl group, 4-bromobenzyl group, 2-iodobenzyl group, 3-iodobenzyl group, 4-iodobenzyl group, 2,3-difluorobenzyl group, 3,4-difluorobenzyl group, 3,5-difluorobenzyl group, 2,4-difluorobenzyl group, 2,6-

- difluorobenzyl group, 2,3-dichlorobenzyl group, 3,4-
 dichlorobenzyl group, 3,5-dichlorobenzyl group, 2,4-
 dichlorobenzyl group, 2,6-dichlorobenzyl group, 2-
 fluoro-4-bromobenzyl group, 4-chloro-3-fluorobenzyl
 5 group, 2,3,4-trichlorobenzyl group, 3,4,5-trifluoro-
 benzyl group, 2,4,6-trichlorobenzyl group, 4-
 isopropylbenzyl group, 4-n-butylbenzyl group, 4-
 methylbenzyl group, 2-methylbenzyl group, 3-
 methylbenzyl group, 2,4-dimethylbenzyl group, 2,3-
 10 dimethylbenzyl group, 2,6-dimethylbenzyl group, 3,5-
 dimethylbenzyl group, 2,5-dimethylbenzyl group, 2,4,6-
 trimethylbenzyl group, 3,5-ditrifluoromethylbenzyl
 group, 2,3,4,5,6-pentafluorobenzyl group, 4-
 isopropoxybenzyl group, 4-n-butoxybenzyl group, 4-
 15 methoxybenzyl group, 2-methoxybenzyl group, 3-
 methoxybenzyl group, 2,4-dimethoxybenzyl group, 2,3-
 dimethoxybenzyl group, 2,6-dimethoxybenzyl group, 3,5-
 dimethoxybenzyl group, 2,5-dimethoxybenzyl group,
 2,4,6-trimethoxybenzyl group, 3,5-ditrifluoro-
 20 methoxybenzyl group, 2-isopropoxybenzyl group, 3-
 chloro-4-methoxybenzyl group, 2-chloro-4-trifluoro-
 methoxybenzyl group, 3-methyl-4-fluorobenzyl group, 4-
 bromo-3-trifluoromethylbenzyl group, 2-trifluoromethyl-
 benzyl group, 3-trifluoromethylbenzyl group, 4-
 25 trifluoromethylbenzyl group, 2-pentafluoroethylbenzyl
 group, 3-pentafluoroethylbenzyl group, 4-pentafluoro-
 ethylbenzyl group, 2-trifluoromethoxybenzyl group, 3-
 trifluoromethoxybenzyl group, 4-trifluoromethoxybenzyl

group, 2-pentafluoroethoxybenzyl group, 3-pentafluoroethoxybenzyl group, 4-pentafluoroethoxybenzyl group, 2-(2-trifluoromethylphenyl)ethyl group, 2-(3-trifluoromethylphenyl)ethyl group, 2-(4-trifluoromethylphenyl)ethyl group, 2-(2-trifluoromethoxyphenyl)ethyl group, 3-(trifluoromethoxyphenyl)ethyl group, 2-(4-trifluoromethoxyphenyl)ethyl group, 2-(2-pentafluoroethoxyphenyl)ethyl group, 2-(3-pentafluoroethoxyphenyl)ethyl group, 2-(4-pentafluoroethoxyphenyl)ethyl group, 3-(2-trifluoromethylphenyl)propyl group, 3-(3-trifluoromethylphenyl)propyl group, 3-(4-trifluoromethylphenyl)propyl group, 3-(2-trifluoromethoxyphenyl)propyl group, 3-(3-trifluoromethoxyphenyl)propyl group, 3-(4-trifluoromethoxyphenyl)propyl group, 3-(3-pentafluoroethoxyphenyl)propyl group, 3-(4-pentafluoroethoxyphenyl)propyl group, 4-(3-pentafluoroethoxyphenyl)butyl group, 5-(4-trifluoromethylphenyl)pentyl group, 4-(4-trifluoromethylphenyl)pentyl group, 4-(4-trifluoromethoxyphenyl)pentyl group, 6-(3-trifluoromethylphenyl)hexyl group, 6-(4-trifluoromethylphenyl)hexyl group, 6-(4-trifluoromethoxyphenyl)hexyl group or the like.

A phenyl group (which may be substituted on the phenyl ring by 1 to 3 groups selected from a group consisting of halogen atom(s), a C1-6 alkyl group substituted or unsubstituted with halogen atom(s), halogen-substituted or unsubstituted C1-6 alkoxy group, C1-6 alkanoyl group, carboxyl group, C1-6

alkoxycarbonyl group, phenyl C1-6 alkoxycarbonyl group, carbamoyl group, C1-6 alkylcarbamoyl group, aminosulfonyl group and morpholino group) includes, for example, a phenyl group, 2-fluorophenyl group, 3-

5 fluorophenyl group, 4-fluorophenyl group, 2-chlorophenyl group, 3-chlorophenyl group, 4-chlorophenyl group, 2-bromophenyl group, 3-bromophenyl group, 4-bromophenyl group, 2-iodophenyl group, 3-

10 iodophenyl group, 4-iodophenyl group, 2,3-difluorophenyl group, 3,4-difluorophenyl group, 3,5-difluorophenyl group, 2,4-difluorophenyl group, 2,6-difluorophenyl group, 2,3-dichlorophenyl group, 3,4-dichlorophenyl group, 3,5-dichlorophenyl group, 2,4-

15 dichlorophenyl group, 2,6-dichlorophenyl group, 3,4,5-trifluorophenyl group, 3,4,5-trichlorophenyl group, 2,4,6-trifluorophenyl group, 2,4,6-trichlorophenyl group, 2-fluoro-4-bromophenyl group, 4-chloro-3-

fluorophenyl group, 2,3,4-trichlorophenyl group, 4-isopropylphenyl group, 4-n-butylphenyl group, 2,4-

20 dimethylphenyl group, 2,3-dimethylphenyl group, 2,6-dimethylphenyl group, 3,5-dimethylphenyl group, 2,5-dimethylphenyl group, 2,4,6-trimethylphenyl group, 3,5-ditrifluoromethylphenyl group, 4-n-butoxyphenyl group, 2,4-dimethoxyphenyl group, 2,3-dimethoxyphenyl group,

25 2,6-dimethoxyphenyl group, 3,5-dimethoxyphenyl group, 2,5-dimethoxyphenyl group, 3,5-ditrifluoromethoxyphenyl group, 3-chloro-4-methoxyphenyl group, 2-chloro-4-

trifluoromethoxyphenyl group, 3-methyl-4-fluorophenyl

group, 4-bromo-3-trifluoromethylphenyl group, 2-methylphenyl group, 3-methylphenyl group, 4-methylphenyl group, 2-trifluoromethylphenyl group, 3-trifluoromethylphenyl group, 4-trifluoromethylphenyl group, 2-pentafluoroethylphenyl group, 3-pentafluoroethylphenyl group, 4-pentafluoroethylphenyl group, 2-isopropylphenyl group, 3-isopropylphenyl group, 2-tert-butylphenyl group, 3-tert-butylphenyl group, 4-tert-butylphenyl group, 2-sec-butylphenyl group, 3-sec-butylphenyl group, 4-sec-butylphenyl group, 2-n-heptafluoropropylphenyl group, 3-n-heptafluoropropylphenyl group, 4-n-heptafluoropropylphenyl group, 4-n-pentylphenyl group, 4-n-hexylphenyl group, 2-methoxyphenyl group, 3-methoxyphenyl group, 4-methoxyphenyl group, 2,3-dimethoxyphenyl group, 3-fluoro-2-methoxyphenyl group, 2-fluoro-3-methoxyphenyl group, 2-chloro-4-methoxyphenyl group, 2,3,4-trimethoxyphenyl group, 3,4,5-trimethoxyphenyl group, 2,4,6-trimethoxyphenyl group, 2-trifluoromethoxyphenyl group, 3-trifluoromethoxyphenyl group, 4-trifluoromethoxyphenyl group, 2-pentafluoroethoxyphenyl group, 3-pentafluoroethoxyphenyl group, 4-pentafluoroethoxyphenyl group, 2-isopropoxyphenyl group, 3-isopropoxyphenyl group, 4-isopropoxyphenyl group, 2-tert-butoxyphenyl group, 3-tert-butoxyphenyl group, 4-tert-butoxyphenyl group, 2-sec-butoxyphenyl group, 3-sec-butoxyphenyl group, 4-sec-butoxyphenyl group, 2-n-heptafluoropropoxyphenyl

group, 3-n-heptafluoropropoxyphenyl group, 4-n-heptafluoropropoxyphenyl group, 4-pentoxyphenyl group, 4-hexyloxyphenyl group, 2-formylphenyl group, 3-formylphenyl group, 4-formylphenyl group, 2-acetylphenyl group, 3-acetylphenyl group, 4-acetylphenyl group, 2-propionylphenyl group, 3-propionylphenyl group, 4-propionylphenyl group, 2-butyrylphenyl group, 3-butyrylphenyl group, 4-butyrylphenyl group, 2-pentanoylphenyl group, 3-pentanoylphenyl group, 4-pentanoylphenyl group, 2-hexanoylphenyl group, 3-hexanoylphenyl group, 4-hexanoylphenyl group, 2-methoxycarbonylphenyl group, 3-methoxycarbonylphenyl group, 4-methoxycarbonylphenyl group, 2-ethoxycarbonylphenyl group, 3-ethoxycarbonylphenyl group, 4-ethoxycarbonylphenyl group, 2-propoxycarbonylphenyl group, 3-propoxycarbonylphenyl group, 4-propoxycarbonylphenyl group, 2-butoxycarbonylphenyl group, 3-butoxycarbonylphenyl group, 4-butoxycarbonylphenyl group, 2-tert-butoxycarbonylphenyl group, 3-tert-butoxycarbonylphenyl group, 4-tert-butoxycarbonylphenyl group, 2-pentoxycarbonylphenyl group, 3-pentoxycarbonylphenyl group, 4-pentoxycarbonylphenyl group, 2-hexyloxycarbonylphenyl group, 3-hexyloxycarbonylphenyl group, 4-hexyloxycarbonylphenyl group, 2-benzyloxy-carbonylphenyl group, 3-benzyloxycarbonylphenyl group, 4-benzyloxycarbonylphenyl group, 2-carboxylphenyl group, 3-carboxylphenyl group, 4-carboxylphenyl group, 2-aminosulfonylphenyl group, 3-aminosulfonylphenyl

group, 4-aminosulfonylphenyl group, 2-carbamoylphenyl group, 3-carbamoylphenyl group, 4-carbamoylphenyl group, 2-methylcarbamoylphenyl group, 3-methylcarbamoylphenyl group, 4-methylcarbamoylphenyl group, 2-ethylcarbamoylphenyl group, 3-ethylcarbamoylphenyl group, 4-ethylcarbamoylphenyl group, 2-dimethylcarbamoylphenyl group, 3-dimethylcarbamoylphenyl group, 4-dimethylcarbamoylphenyl group, 2-diethylcarbamoylphenyl group, 3-diethylcarbamoylphenyl group, 4-diethylcarbamoylphenyl group, 4-morpholinophenyl group, 3-morpholinophenyl group, 4-morpholinophenyl group or the like.

A C1-6 alkyl carbamoyl group is a group in which one or two hydrogens on the carbamoyl ($-\text{CONH}_2$) group are substituted by the C1-6 alkyl group defined above, examples of which include an N-methylcarbamoyl group, N, N-dimethylcarbamoyl group, N-ethylcarbamoyl group, N-n-propylcarbamoyl group, N-isopropylcarbamoyl group, N-n-butylcarbamoyl group, N-tert-butylcarbamoyl group, N-n-pentylcarbamoyl group, N-n-hexylcarbamoyl group, N-methyl-N-ethylcarbamoyl group, N-methyl-N-n-propylcarbamoyl group, N-methyl-N-isopropylcarbamoyl group, N-methyl-N-n-butylcarbamoyl group, N-methyl-N-tert-butylcarbamoyl group, N-methyl-N-n-pentylcarbamoyl group, N-methyl-N-n-hexylcarbamoyl group, N-ethyl-N-isopropylcarbamoyl group, N-ethyl-N-tert-butylcarbamoyl group, N-propyl-N-tert-butylcarbamoyl group, N-isopropyl-N-tert-butylcarbamoyl group or the like.

A phenyl group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group and

5 halogen-substituted or unsubstituted C1-6 alkoxy group) is a phenyl group unsubstituted or substituted by 1 to 5, preferably 1 to 3 substituents selected from a group consisting of halogen(s), a halogen-substituted or unsubstituted C1-6 alkyl group and a halogen-

10 substituted or unsubstituted C1-6 alkoxy group as defined above, examples of which include a phenyl group, 2-fluorophenyl group, 3-fluorophenyl group, 4-fluorophenyl group, 2-chlorophenyl group, 3-chlorophenyl group, 4-chlorophenyl group, 2-bromophenyl

15 group, 3-bromophenyl group, 4-bromophenyl group, 2-iodophenyl group, 3-iodophenyl group, 4-iodophenyl group, 2,3-difluorophenyl group, 3,4-difluorophenyl group, 3,5-difluorophenyl group, 2,4-difluorophenyl group, 2,6-difluorophenyl group, 2,3-dichlorophenyl

20 group, 3,4-dichlorophenyl group, 3,5-dichlorophenyl group, 2,4-dichlorophenyl group, 2,6-dichlorophenyl group, 3,4,5-trifluorophenyl group, 3,4,5-trichlorophenyl group, 2,4,6-trifluorophenyl group, 2,4,6-trichlorophenyl group, 2-fluoro-4-bromophenyl

25 group, 4-chloro-3-fluorophenyl group, 2,3,4-trichlorophenyl group, 2,3,4-trifluorophenyl group, 2,3,4,5,6-pentafluorophenyl group, 2,4,6-trimethylphenyl group, 4-n-butylphenyl group, 2,4-

dimethylphenyl group, 2,3-dimethylphenyl group, 2,6-
 dimethylphenyl group, 3,5-dimethylphenyl group, 2,5-
 dimethylphenyl group, 3,5-ditrifluoromethylphenyl
 group, 4-n-butoxyphenyl group, 2,4-dimethoxyphenyl
 5 group, 2,3-dimethoxyphenyl group, 2,6-dimethoxyphenyl
 group, 3,5-dimethoxyphenyl group, 2,5-dimethoxyphenyl
 group, 2,4,6-trimethoxyphenyl group, 3,5-
 ditrifluoromethoxyphenyl group, 3-chloro-4-
 methoxyphenyl group, 2-chloro-4-trifluoromethoxyphenyl
 10 group, 3-methyl-4-fluorophenyl group, 4-bromo-3-
 trifluoromethylphenyl group, 2-methylphenyl group, 3-
 methylphenyl group, 4-methylphenyl group, 2-methyl-3-
 chlorophenyl group, 3-methyl-4-chlorophenyl group, 2-
 chloro-4-methylphenyl group, 2-methyl-3-fluorophenyl
 15 group, 2-trifluoromethylphenyl group, 3-
 trifluoromethylphenyl group, 4-trifluoromethylphenyl
 group, 2-pentafluoroethylphenyl group, 3-pentafluoro-
 ethylphenyl group, 4-pentafluoroethylphenyl group, 2-
 isopropylphenyl group, 3-isopropylphenyl group, 4-
 20 isopropylphenyl group, 2-tert-butylphenyl group, 3-
 tert-butylphenyl group, 4-tert-butylphenyl group, 2-
 sec-butylphenyl group, 3-sec-butylphenyl group, 4-sec-
 butylphenyl group, 2-n-heptafluoropropylphenyl group,
 3-n-heptafluoropropylphenyl group, 4-n-heptafluoro-
 25 propylphenyl group, 4-pentylphenyl group, 4-hexylphenyl
 group, 2-methoxyphenyl group, 3-methoxyphenyl group, 4-
 methoxyphenyl group, 3-chloro-2-methoxyphenyl group, 2-
 fluoro-3-methoxyphenyl group, 2-fluoro-4-methoxyphenyl

group, 3,4-dimethoxyphenyl group, 2-trifluoromethoxyphenyl group, 3-trifluoromethoxyphenyl group, 4-trifluoromethoxyphenyl group, 3-fluoro-2-trifluoromethoxyphenyl group, 2-fluoro-3-trifluoromethoxyphenyl group, 3-fluoro-4-trifluoromethoxyphenyl group, 3-chloro-2-trifluoromethoxyphenyl group, 2-chloro-3-trifluoromethoxyphenyl group, 3-chloro-4-trifluoromethoxyphenyl group, 2-pentafluoroethoxyphenyl group, 3-pentafluoroethoxyphenyl group, 4-pentafluoroethoxyphenyl group, 3-chloro-2-pentafluoroethoxyphenyl group, 2-chloro-3-pentafluoroethoxyphenyl group, 3-chloro-4-pentafluoroethoxyphenyl group, 2-isopropoxyphenyl group, 3-isopropoxyphenyl group, 4-isopropoxyphenyl group, 2-tert-butoxyphenyl group, 3-tert-butoxyphenyl group, 4-tert-butoxyphenyl group, 2-sec-butoxyphenyl group, 3-sec-butoxyphenyl group, 4-sec-butoxyphenyl group, 2-n-heptafluoropropoxyphenyl group, 3-n-heptafluoropropoxyphenyl group, 4-n-heptafluoropropoxyphenyl group, 4-n-pentoxoxyphenyl group, 4-n-hexyloxyphenyl group or the like.

A phenyl C1-6 alkoxy carbonyl group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of halogen atom(s), a halogen-substituted or a unsubstituted C1-6 alkyl group and a halogen-substituted or unsubstituted C1-6 alkoxy group) is a group containing a phenyl C1-6 alkoxy group which may be substituted by 1 to 5, preferably 1 to 3 groups selected from a group consisting of halogen(s),

- a halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group defined above and a carbonyl group, examples of which include a benzyloxycarbonyl group, 2-
- 5 phenylethoxycarbonyl group, 3-phenylpropoxycarbonyl group, 2-phenylpropoxycarbonyl group, 4-phenylbutoxycarbonyl group, 5-phenylpentoxycarbonyl group, 4-phenylpentoxycarbonyl group, 6-phenylhexyloxycarbonyl group, 2-fluorobenzyloxycarbonyl group, 3-
- 10 fluorobenzyloxycarbonyl group, 4-fluorobenzyloxycarbonyl group, 2-(2-fluorophenyl)ethoxycarbonyl group, 2-(3-fluorophenyl)ethoxycarbonyl group, 2-(4-fluorophenyl)ethoxycarbonyl group, 2-chlorobenzyloxycarbonyl group, 3-chlorobenzyloxycarbonyl group, 4-
- 15 chlorobenzyloxycarbonyl group, 2-fluoro-4-bromobenzyloxycarbonyl group, 4-chloro-3-fluorobenzyloxycarbonyl group, 2,3,4-trichlorobenzyloxycarbonyl group, 3,4,5-trifluorobenzyloxycarbonyl group, 2,3,4,5,6-pentafluorobenzyloxycarbonyl group, 2,4,6-
- 20 trichlorobenzyloxycarbonyl group, 4-isopropoxybenzyloxycarbonyl group, 4-n-butylbenzyloxycarbonyl group, 4-methybenzyloxycarbonyl group, 2-methybenzyloxycarbonyl group, 3-methybenzyloxycarbonyl group, 2,4-dimethybenzyloxycarbonyl group, 2,3-
- 25 dimethybenzyloxycarbonyl group, 2,6-dimethybenzyloxycarbonyl group, 3,5-dimethybenzyloxycarbonyl group, 2,5-dimethybenzyloxycarbonyl group, 2,4,6-trimethybenzyloxycarbonyl group, 3,5-ditrifluoro-

- methylbenzyloxycarbonyl group, 4-isopropoxybenzyloxy-
 carbonyl group, 4-n-butoxybenzyloxycarbonyl group, 4-
 methoxybenzyloxycarbonyl group, 2-methoxybenzyloxy-
 carbonyl group, 3-methoxybenzyloxycarbonyl group, 2,4-
 5 dimethoxybenzyloxycarbonyl group, 2,3-dimethoxy-
 benzyloxycarbonyl group, 2,6-dimethoxybenzyloxycarbonyl
 group, 3,5-dimethoxybenzyloxycarbonyl group, 2,5-
 dimethoxybenzyloxycarbonyl group, 2,4,6-trimethoxy-
 benzyloxycarbonyl group, 3,5-ditrifluoromethoxy-
 10 benzyloxycarbonyl group, 2-isopropoxybenzyloxycarbonyl
 group, 3-chloro-4-methoxybenzyloxycarbonyl group, 2-
 chloro-4-trifluoromethoxybenzyloxycarbonyl group, 3-
 methyl-4-fluorobenzyloxycarbonyl group, 4-bromo-3-
 trifluoromethylbenzyloxycarbonyl group, 2-(2-
 15 chlorophenyl)ethyloxycarbonyl group, 2-(3-chloro-
 phenyl)ethoxycarbonyl group, 2-(4-chlorophenyl)-
 ethoxycarbonyl group, 2-trifluoromethylbenzyloxy-
 carbonyl group, 3-trifluoromethylbenzyloxycarbonyl
 group, 4-trifluoromethylbenzyloxycarbonyl group, 2-
 20 trifluoromethoxybenzyloxycarbonyl group, 3-
 trifluoromethoxybenzyloxycarbonyl group, 4-
 trifluoromethoxybenzyloxycarbonyl group, 2-(2-
 trifluoromethylphenyl)ethoxycarbonyl group, 2-(3-
 trifluoromethylphenyl)ethoxycarbonyl group, 2-(4-
 25 trifluoromethylphenyl)ethoxycarbonyl group, 2-(2-
 trifluoromethoxyphenyl)ethoxycarbonyl group, 2-(3-
 trifluoromethoxyphenyl)ethoxycarbonyl group, 2-(4-
 trifluoromethoxyphenyl)ethoxycarbonyl group, 3-(2-

trifluoromethylphenyl)propoxycarbonyl group, 3-(3-trifluoromethylphenyl)propoxycarbonyl group, 3-(4-trifluoromethylphenyl)propoxycarbonyl group, 3-(2-trifluoromethylphenyl)propoxycarbonyl group, 3-(3-trifluoromethoxyphenyl)propoxycarbonyl group, 3-(4-trifluoromethoxyphenyl)propoxycarbonyl group, 4-(3-trifluoromethylphenyl)butoxycarbonyl group, 5-(4-trifluoromethylphenyl)pentoxycarbonyl group, 4-(4-trifluoromethylphenyl)pentoxycarbonyl group, 4-(4-trifluoromethoxyphenyl)pentoxycarbonyl group, 6-(3-trifluoromethylphenyl)hexyloxycarbonyl group, 6-(4-trifluoromethylphenyl)hexyloxycarbonyl group, 6-(4-trifluoromethoxyphenyl)hexyloxycarbonyl group or the like.

15 A phenyl C3-6 alkenyloxycarbonyl group (which may be substituted on the phenyl ring by at least one halogen-substituted or unsubstituted C1-6 alkyl group) is a group containing a phenyl group unsubstituted or substituted by 1 to 3 groups selected from a group
20 consisting of C1-6 alkyl groups substituted or unsubstituted with halogen(s), an alkenyloxy group having 1 to 3 double bonds comprising 3 to 6 carbons and a carbonyl group. These groups can be a trans-form and cis-form, and both forms are included as a matter
25 of course. The examples include a 3-phenyl-2-propenyloxycarbonyl group (trivial name: cinnamyloxycarbonyl group), 4-phenyl-2-butenyloxycarbonyl group, 4-phenyl-3-butenyloxycarbonyl group, 5-phenyl-2-

pentenyloxycarbonyl group, 5-phenyl-4-pentenyloxy-
 carbonyl group, 5-phenyl-3-pentenyloxycarbonyl group,
 6-phenyl-5-hexenyloxycarbonyl group, 6-phenyl-4-
 hexenyloxycarbonyl group, 6-phenyl-3-hexenyloxycarbonyl
 5 group, 6-phenyl-3-hexenyloxycarbonyl group, 4-phenyl-
 1,3-butadienyloxycarbonyl group, 6-phenyl-1,3,5-
 hexatrienyloxycarbonyl group, 3-(2-methylphenyl)-2-
 propenyloxycarbonyl group, 3-(3-methylphenyl)-2-
 propenyloxycarbonyl group, 3-(4-methylphenyl)-2-
 10 propenyloxycarbonyl group, 3-(2-trifluoromethylphenyl)-
 2-propenyloxycarbonyl group, 3-(3-trifluoromethyl-
 phenyl)-2-propenyloxycarbonyl group, 3-(4-trifluoro-
 methylphenyl)-2-propenyloxycarbonyl group, 4-(2-
 trifluoromethylphenyl)-3-butenyloxycarbonyl group, 4-
 15 (3-trifluoromethylphenyl)-3-butenyloxycarbonyl group,
 4-(4-trifluoromethylphenyl)-3-butenyloxycarbonyl group,
 3-(3,5-ditrifluoromethylphenyl)-2-propenyloxycarbonyl
 group, 3-[2,4,6-tri(trifluoromethyl)phenyl]-2-
 propenyloxycarbonyl group, 3-(2,4-dimethylphenyl)-2-
 20 propenyloxycarbonyl group or the like.

A phenyl C1-6 alkylidene-substituted amino
 group (which may be substituted by at least one
 halogen-substituted or unsubstituted C1-6 alkyl group
 as a substituent) is a C1-6 alkylidene-substituted
 25 amino group substituted by a phenyl group which may be
 substituted by 1 to 3 halogen-substituted or
 unsubstituted C1-6 alkyl groups, examples of which
 include a benzylidene amino group, 2-phenylethylidene

amino group, 3-phenylpropylidene amino group, 4-phenylbutylidene amino group, 5-phenylpentylidene amino group, 6-phenylhexylidene amino group, 2-methylbenzylidene amino group, 2-trifluoromethylbenzylidene amino group, 3-methylbenzylidene amino group, 3-trifluoromethylbenzylidene amino group, 4-methylbenzylidene amino group, 4-trifluoromethylbenzylidene amino group, 3,4-dimethylbenzylidene amino group, 3,4,5-trimethylbenzylidene amino group, 3,5-ditrifluoromethylbenzylidene amino group or the like.

A phenoxy group (which may be substituted on the phenyl ring by at least one halogen-substituted or unsubstituted C1-6 alkyl group) is a phenoxy group unsubstituted or substituted by 1 to 3 C1-6 alkyl groups substituted or unsubstituted with halogen(s) as defined above, examples of which include a phenoxy group, 2-methylphenoxy group, 3-methylphenoxy group, 4-methylphenoxy group, 2-ethylphenoxy group, 3-ethylphenoxy group, 4-ethylphenoxy group, 4-n-propylphenoxy group, 4-tert-butylphenoxy group, 4-n-butylphenoxy group, 2-trifluoromethylphenoxy group, 3-trifluoromethylphenoxy group, 4-trifluoromethylphenoxy group, 2-pentafluoroethylphenoxy group, 3-pentafluoroethylphenoxy group, 2,3-dimethylphenoxy group, 3,4,5-trimethylphenoxy group, 4-n-pentylphenoxy group, 4-n-hexylphenoxy group, 3,5-ditrifluoromethylphenoxy group or the like.

A phenylamino group (which may be substituted

on the phenyl ring by at least one halogen-substituted or unsubstituted C1-6 alkyl group) is a phenylamino group unsubstituted (another name: anilino group) or a phenylamino group substituted by 1 to 3 C1-6 alkyl groups substituted or unsubstituted with halogen(s) defined above, examples of which include a phenylamino group, 2-methylphenylamino group, 3-methylphenylamino group, 4-methylphenylamino group, 2-ethylphenylamino group, 3-ethylphenylamino group, 4-ethylphenylamino group, 4-propylphenylamino group, 4-tert-butylphenylamino group, 4-butylphenylamino group, 2-trifluoromethylphenylamino group, 3-trifluoromethylphenylamino group, 4-trifluoromethylphenylamino group, 2-pentafluoroethylphenylamino group, 3-pentafluoroethylphenylamino group, 2,3-dimethylphenylamino group, 3,4,5-trimethylphenylamino group, 4-n-pentylphenylamino group, 4-n-hexylphenylamino group, 3,5-ditrifluoromethylphenylamino group or the like.

An indolinyl group which may be substituted by at least one halogen atom is an indolinyl group unsubstituted or substituted by 1 to 3 fluorine, chlorine, bromine or iodine atoms at 2, 3, 4, 5, 6 or 7 position, examples of which include a 1-indolinyl group, 2-fluoro-1-indolinyl group, 3-bromo-1-indolinyl group, 4,5-dichloro-1-indolinyl group, 4-fluoro-1-indolinyl group, 4,5,6-trifluoro-1-indolinyl group, 5-fluoro-1-indolinyl group, 6-fluoro-1-indolinyl group, 7-fluoro-1-indolinyl group, 4-chloro-1-indolinyl group,

5-chloro-1-indolinyl group, 6-chloro-1-indolinyl group,
7-chloro-1-indolinyl group, 4-bromo-1-indolinyl group,
5-bromo-1-indolinyl group, 6-bromo-1-indolinyl group,
7-bromo-1-indolinyl group, 4-iodo-1-indolinyl group, 5-
5 iodo-1-indolinyl group, 6-iodo-1-indolinyl group, 7-
iodo-1-indolinyl group or the like.

An isoindolinyl group which may be substituted by at least one halogen atom is the indolinyl group unsubstituted or substituted by 1 to 3 fluorine,
10 chlorine, bromine or iodine atoms at 1, 3, 4, 5, 6 or 7 position, examples of which include a 2-isoindolinyl group, 1-fluoro-2-isoindolinyl group, 3-bromo-2-isoindolinyl group, 4,5-dichloro-2-isoindolinyl group, 4,5,6-trifluoro-2-isoindolinyl group, 4-fluoro-2-
15 isoindolinyl group, 5-fluoro-2-isoindolinyl group, 6-fluoro-2-isoindolinyl group, 7-fluoro-2-isoindolinyl group, 4-chloro-2-isoindolinyl group, 5-chloro-2-isoindolinyl group, 6-chloro-2-isoindolinyl group, 7-chloro-2-isoindolinyl group, 4-bromo-2-isoindolinyl
20 group, 5-bromo-2-isoindolinyl group, 6-bromo-2-isoindolinyl group, 7-bromo-2-isoindolinyl group, 4-iodo-2-isoindolinyl group, 5-iodo-2-isoindolinyl group, 6-iodo-2-isoindolinyl group, 7-iodo-2-isoindolinyl group or the like.

25 A 1,2,3,4-tetrahydroquinolyl group which may be substituted by at least one halogen atom is a 1,2,3,4-tetrahydroquinolyl group unsubstituted or substituted by 1 to 3 fluorine, chlorine, bromine or

iodine atoms at 2, 3, 4, 5, 6, 7 or 8 position,
 examples of which include a 1,2,3,4-tetrahydro-1-
 quinolyl group, 5-fluoro-1,2,3,4-tetrahydro-1-quinolyl
 group, 2-bromo-1,2,3,4-tetrahydro-1-quinolyl group, 3-
 5 iodo-1,2,3,4-tetrahydro-1-quinolyl group, 4-chloro-
 1,2,3,4-tetrahydro-1-quinolyl group, 3,4-dichloro-
 1,2,3,4-tetrahydro-1-quinolyl group, 4,5,6-trichloro-
 1,2,3,4-tetrahydro-1-quinolyl group, 6-fluoro-1,2,3,4-
 tetrahydro-1-quinolyl group, 7-fluoro-1,2,3,4-
 10 tetrahydro-1-quinolyl group, 8-fluoro-1,2,3,4-
 tetrahydro-1-quinolyl group, 5-chloro-1,2,3,4-
 tetrahydro-1-quinolyl group, 6-chloro-1,2,3,4-
 tetrahydro-1-quinolyl group, 7-chloro-1,2,3,4-
 tetrahydro-1-quinolyl group, 8-chloro-1,2,3,4-
 15 tetrahydro-1-quinolyl group, 5-bromo-1,2,3,4-
 tetrahydro-1-quinolyl group, 6-bromo-1,2,3,4-
 tetrahydro-1-quinolyl group, 7-bromo-1,2,3,4-
 tetrahydro-1-quinolyl group, 8-bromo-1,2,3,4-
 tetrahydro-1-quinolyl group, 5-iodo-1,2,3,4-tetrahydro-
 20 1-quinolyl group, 6-iodo-1,2,3,4-tetrahydro-1-quinolyl
 group, 7-iodo-1,2,3,4-tetrahydro-1-quinolyl group, 8-
 iodo-1,2,3,4-tetrahydro-1-quinolyl group or the like.

A 1,2,3,4-tetrahydroisoquinolyl group which
 may be substituted by at least one halogen atom is a
 25 1,2,3,4-tetrahydroisoquinolyl group unsubstituted or
 substituted by 1 to 3 fluorine, chlorine, bromine or
 iodine atoms at 1, 3, 4, 5, 6, 7 or 8 position,
 examples of which include a 1,2,3,4-tetrahydro-2-

- isoquinolyl group, 1-bromo-1,2,3,4-tetrahydro-2-
- isoquinolyl group, 3-iodo-1,2,3,4-tetrahydro-2-
- isoquinolyl group, 4-chloro-1,2,3,4-tetrahydro-2-
- isoquinolyl group, 3,4-dichloro-1,2,3,4-tetrahydro-2-
- 5 isoquinolyl group, 4,5,6-trichloro-1,2,3,4-tetrahydro-
- 2-isoquinolyl group, 5-fluoro-1,2,3,4-tetrahydro-2-
- isoquinolyl group, 6-fluoro-1,2,3,4-tetrahydro-2-
- isoquinolyl group, 7-fluoro-1,2,3,4-tetrahydro-2-
- isoquinolyl group, 8-fluoro-1,2,3,4-tetrahydro-2-
- 10 isoquinolyl group, 5-chloro-1,2,3,4-tetrahydro-2-
- isoquinolyl group, 6-chloro-1,2,3,4-tetrahydro-2-
- isoquinolyl group, 7-chloro-1,2,3,4-tetrahydro-2-
- isoquinolyl group, 8-chloro-1,2,3,4-tetrahydro-2-
- isoquinolyl group, 5-bromo-1,2,3,4-tetrahydro-2-
- 15 isoquinolyl group, 6-bromo-1,2,3,4-tetrahydro-2-
- isoquinolyl group, 7-bromo-1,2,3,4-tetrahydro-2-
- isoquinolyl group, 8-bromo-1,2,3,4-tetrahydro-2-
- isoquinolyl group, 5-iodo-1,2,3,4-tetrahydro-2-
- isoquinolyl group, 6-iodo-1,2,3,4-tetrahydro-2-
- 20 isoquinolyl group, 7-iodo-1,2,3,4-tetrahydro-2-
- isoquinolyl group, 8-iodo-1,2,3,4-tetrahydro-2-
- isoquinolyl group, or the like.

A phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group
 25 selected from a group consisting of halogen atom(s), a halogen-substituted or unsubstituted C1-6 alkyl group or a halogen-substituted, unsubstituted C1-6 alkoxy group and a phenoxy group (which may be substituted on

the phenyl ring by at least one group selected from a group consisting of halogen atom(s), a halogen-substituted or unsubstituted C1-6 alkyl group and a halogen-substituted or unsubstituted C1-6 alkoxy group as a substituent), and also, the C1-6 alkyl moiety is substituted by a C1-6 alkoxyimino group) is a group containing an unsubstituted phenyl group or a phenyl group substituted by 1 to 5 groups, preferably 1 to 3 groups selected from a group consisting of a halogen atom, a C1-6 alkyl group substituted or unsubstituted with halogen(s), a halogen-substituted or unsubstituted C1-6 alkoxy group and a phenoxy group (which may be substituted on the phenyl ring by 1 to 3 groups selected from a group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group or a halogen-substituted or unsubstituted C1-6 alkoxy group as a substituent) and containing an alkyl group of 1 to 6 carbons, examples of which include a benzyl group, 1-phenethyl group, 2-phenethyl group, 3-phenylpropyl group, 2-phenylpropyl group, 4-phenylbutyl group, 5-phenylpentyl group, 4-phenylpentyl group, 6-phenylhexyl group, 2-fluorobenzyl group, 3-fluorobenzyl group, 4-fluorobenzyl group, 2-chlorobenzyl group, 3-chlorobenzyl group, 4-chlorobenzyl group, 2-bromobenzyl group, 3-bromobenzyl group, 4-bromobenzyl group, 2-iodobenzyl group, 3-iodobenzyl group, 4-iodobenzyl group, 2,3-difluorobenzyl group, 3,4-difluorobenzyl group, 3,5-difluorobenzyl group, 2,4-difluorobenzyl

group, 2,6-difluorobenzyl group, 2,3-dichlorobenzyl group, 3,4-dichlorobenzyl group, 3,5-dichlorobenzyl group, 2,4-dichlorobenzyl group, 2,6-dichlorobenzyl group, 2-fluoro-4-bromobenzyl group, 4-chloro-3-

5 fluorobenzyl group, 2,3,4-trichlorobenzyl group, 3,4,5-trifluorobenzyl group, 2,3,4,5,6-pentafluorobenzyl group, 2,4,6-trichlorobenzyl group, 4-isopropylbenzyl group, 4-n-butylbenzyl group, 4-methylbenzyl group, 2-methylbenzyl group, 3-methylbenzyl group, 2,4-

10 dimethylbenzyl group, 2,3-dimethylbenzyl group, 2,6-dimethylbenzyl group, 3,5-dimethylbenzyl group, 2,5-dimethylbenzyl group, 2,4,6-trimethylbenzyl group, 3,5-ditrifluoromethylbenzyl group, 4-isopropoxybenzyl group, 4-n-butoxybenzyl group, 4-methoxybenzyl group,

15 2-methoxybenzyl group, 3-methoxybenzyl group, 2,4-dimethoxybenzyl group, 2,3-dimethoxybenzyl group, 2,6-dimethoxybenzyl group, 3,5-dimethoxybenzyl group, 2,5-dimethoxybenzyl group, 2,4,6-trimethoxybenzyl group, 3,5-ditrifluoromethoxybenzyl group, 2-isopropoxybenzyl

20 group, 3-chloro-4-methoxybenzyl group, 2-chloro-4-trifluoromethoxybenzyl group, 3-methyl-4-fluorobenzyl group, 4-bromo-3-trifluoromethylbenzyl group, 2-trifluoromethylbenzyl group, 3-trifluoromethylbenzyl group, 4-trifluoromethylbenzyl group, 2-pentafluoro-

25 ethylbenzyl group, 3-pentafluoroethylbenzyl group, 4-pentafluoroethylbenzyl group, 2-trifluoromethoxybenzyl group, 3-trifluoromethoxybenzyl group, 4-trifluoromethoxybenzyl group, 2-pentafluoroethoxybenzyl group,

3-pentafluoroethoxybenzyl group, 4-pentafluoroethoxy-
 benzyl group, 2-(2-trifluoromethylphenyl)ethyl group,
 2-(3-trifluoromethylphenyl)ethyl group, 2-(4-
 trifluoromethylphenyl)ethyl group, 2-(2-trifluoro-
 5 methoxyphenyl)ethyl group, 2-(3-trifluoromethoxy-
 phenyl)ethyl group, 2-(4-trifluoromethoxyphenyl)ethyl
 group, 2-(2-pentafluoroethoxyphenyl)ethyl group, 2-(3-
 pentafluoroethoxyphenyl)ethyl group, 2-(4-pentafluoro-
 ethoxyphenyl)ethyl group, 3-(2-trifluoromethylphenyl)-
 10 propyl group, 3-(3-trifluoromethylphenyl)propyl group,
 3-(4-trifluoromethylphenyl)propyl group, 3-(2-
 trifluoromethoxyphenyl)propyl group, 3-(3-trifluoro-
 methoxyphenyl)propyl group, 3-(4-trifluoromethoxy-
 phenyl)propyl group, 3-(3-pentafluoroethoxyphenyl)-
 15 propyl group, 3-(4-pentafluoroethoxyphenyl)propyl
 group, 4-(3-pentafluoroethoxyphenyl)butyl group, 5-(4-
 trifluoromethylphenyl)pentyl group, 4-(4-trifluoro-
 methylphenyl)pentyl group, 4-(4-trifluoromethoxy-
 phenyl)pentyl group, 6-(3-trifluoromethylphenyl)hexyl
 20 group, 6-(4-trifluoromethylphenyl)hexyl group, 6-(4-
 trifluoromethoxyphenyl)hexyl group, (4-pentafluoro-
 ethoxyphenyl)propyl group, 4-(3-pentafluoroethoxy-
 phenyl)butyl group, 5-(4-trifluoromethylphenyl)pentyl
 group, 4-(4-trifluoromethylphenyl)pentyl group, 4-(4-
 25 trifluoromethoxyphenyl)pentyl group, 6-(3-trifluoro-
 methylphenyl)hexyl group, 6-(4-trifluoromethylphenyl)-
 hexyl group, 6-(4-trifluoromethoxyphenyl)hexyl group,
 3-phenoxybenzyl group, 4-phenoxybenzyl group, 2-(4-

- phenoxyphenyl)ethyl group, 3-(4-phenoxyphenyl)propyl group, 2-(4-phenoxyphenyl)propyl group, 4-(4-phenoxyphenyl)butyl group, 5-(4-phenoxyphenyl)pentyl group, 4-(4-phenoxyphenyl)pentyl group, 6-(4-phenoxyphenyl)hexyl group, 2-phenoxybenzyl group, 2-(3-phenoxyphenyl)ethyl group, 3-(2-phenoxyphenyl)propyl group, 2-(2-phenoxyphenyl)propyl group, 4-(3-phenoxyphenyl)butyl group, 5-(2-phenoxyphenyl)pentyl group, 4-(3-phenoxyphenyl)pentyl group, 6-(3-phenoxyphenyl)hexyl group, 4-(2-chlorophenoxy)benzyl group, 4-(3-chlorophenoxy)benzyl group, 4-(4-chlorophenoxy)benzyl group, 4-(2-trifluoromethylphenoxy)benzyl group, 4-(3-trifluoromethylphenoxy)benzyl group, 4-(4-trifluoromethylphenoxy)benzyl group, 4-(2-trifluoromethoxyphenoxy)benzyl group, 4-(3-trifluoromethoxyphenoxy)benzyl group, 4-(4-trifluoromethoxyphenoxy)benzyl group, 2-[4-(4-chlorophenoxy)phenyl]ethyl group, 2-[4-(4-trifluoromethylphenoxy)phenyl]ethyl group, 3-[4-(4-chlorophenoxy)phenyl]propyl group, 3-[4-(4-trifluoromethylphenoxy)phenyl]propyl group, 3-[4-(4-trifluoromethoxyphenoxy)phenyl]propyl group, 2-[4-(4-chlorophenoxy)phenyl]propyl group, 4-[4-(4-chlorophenoxy)phenyl]butyl group, 4-[4-(4-trifluoromethylphenoxy)phenyl]butyl group, 4-[4-(4-trifluoromethoxyphenoxy)phenyl]butyl group, 5-[4-(4-chlorophenoxy)phenyl]pentyl group, 4-[4-(4-chlorophenoxy)phenyl]pentyl group, 6-[4-(4-chlorophenoxy)phenyl]hexyl group,

6-[4-(4-trifluoromethylphenoxy)phenyl]hexyl group, 6-[4-(4-trifluoromethoxyphenoxy)phenyl]hexyl group, (2-fluoro-4-bromophenoxy)benzyl group, (4-chloro-3-fluorophenoxy)benzyl group, (2,3,4-trichlorophenoxy)-
 5 benzyl group, (3,4,5-trifluorophenoxy)benzyl group, (2,4,6-trichlorophenoxy)benzyl group, (4-isopropylphenoxy)benzyl group, (4-n-butylphenoxy)benzyl group, (4-methylphenoxy)benzyl group, (2-methylphenoxy)benzyl group, (3-methylphenoxy)benzyl group, (2,4-dimethyl-
 10 phenoxy)benzyl group, (2,3-dimethylphenoxy)benzyl group, (2,6-dimethylphenoxy)benzyl group, (3,5-dimethylphenoxy)benzyl group, (2,5-dimethylphenoxy)-benzyl group, (2,4,6-trimethylphenoxy)benzyl group, (3,5-ditrifluoromethylphenoxy)benzyl group, (4-
 15 isopropoxyphenoxy)benzyl group, (4-n-butoxyphenoxy)-benzyl group, (4-methoxyphenoxy)benzyl group, (2-methoxyphenoxy)benzyl group, (3-methoxyphenoxy)benzyl group, (2,4-dimethoxyphenoxy)benzyl group, (2,3-dimethoxyphenoxy)benzyl group, (2,6-dimethoxy-
 20 phenoxy)benzyl group, (3,5-dimethoxyphenoxy)benzyl group, (2,5-dimethoxyphenoxy)benzyl group, (2,4,6-trimethoxyphenoxy)benzyl group, (3,5-ditrifluoromethoxyphenoxy)benzyl group, (2-isopropoxyphenoxy)-benzyl group, (3-chloro-4-methoxyphenoxy)benzyl group,
 25 (2-chloro-4-trifluoromethoxyphenoxy)benzyl group, (3-methyl-4-fluorophenoxy)benzyl group, (4-bromo-3-trifluoromethylphenoxy)benzyl or the like.

A benzoyl group (which may be substituted on

the phenyl ring by at least one group selected from a group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group and a halogen-substituted or unsubstituted C1-6 alkoxy group) include the benzoyl group (which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of halogen atom(s), a halogen-substituted or unsubstituted C1-6 alkyl group and a halogen-substituted or unsubstituted C1-6 alkoxy group), for example, benzoyl group, 2-fluorobenzoyl group, 3-fluorobenzoyl group, 4-fluorobenzoyl group, 2,3-difluorobenzoyl group, 2,3,4,5,6-pentafluorobenzoyl group, 3,4-difluorobenzoyl group, 2-chlorobenzoyl group, 3-chlorobenzoyl group, 4-chlorobenzoyl group, 2,3-dichlorobenzoyl group, 3,4-dichlorobenzoyl group, 2-bromobenzoyl group, 3-bromobenzoyl group, 4-bromobenzoyl group, 2,3-dibromobenzoyl group, 3,4-dibromobenzoyl group, 2-fluoro-4-bromobenzoyl group, 4-chloro-3-fluorobenzoyl group, 2,3,4-trifluorobenzoyl group, 2,4,6-trichlorobenzoyl group, 4-isopropylbenzoyl group, 4-n-butylbenzoyl group, 2,4-dimethylbenzoyl group, 2,3-dimethylbenzoyl group, 2,6-dimethylbenzoyl group, 3,5-dimethylbenzoyl group, 2,5-dimethylbenzoyl group, 2,4,6-trimethylbenzoyl group, 3,5-ditrifluoromethylbenzoyl group, 4-n-butoxybenzoyl group, 2,4-dimethoxybenzoyl group, 2,3-dimethoxybenzoyl group, 2,6-dimethoxybenzoyl group, 3,5-dimethoxybenzoyl group, 2,5-dimethoxybenzoyl group, 3,5-ditrifluoromethoxy-

benzoyl group, 3-chloro-4-methoxybenzoyl group, 2-chloro-4-trifluoromethoxybenzoyl group, 3-methyl-4-fluorobenzoyl group, 4-bromo-3-trifluoromethylbenzoyl group, 2-methylbenzoyl group, 3-methylbenzoyl group, 4-methylbenzoyl group, 3,4-dimethylbenzoyl group, 2-iodobenzoyl group, 3-iodobenzoyl group, 4-iodobenzoyl group, 2-trifluoromethylbenzoyl group, 3-trifluoromethylbenzoyl group, 4-trifluoromethylbenzoyl group, 2,3-ditrifluoromethylbenzoyl group, 3,4-ditrifluoromethylbenzoyl group, 2-methoxybenzoyl group, 3-methoxybenzoyl group, 4-methoxybenzoyl group, 2-trifluoromethoxybenzoyl group, 3-trifluoromethoxybenzoyl group, 4-trifluoromethoxybenzoyl group or the like.

Examples of a pyridyl group (which may be substituted on the pyridine ring by at least one halogen atom as a substituent) include a pyridyl group (which may be substituted on the pyridine ring by 1 to 3 halogen atoms as a substituent), for example, 2-pyridyl group, 3-pyridyl group, 4-pyridyl group, a 2-chloropyridin-3-yl group, 2-chloropyridin-4-yl group, 2-chloropyridin-5-yl group, 5-chloropyridin-2-yl group, 4-chloropyridin-2-yl group, 3-chloropyridin-2-yl group, 2-fluoropyridin-3-yl group, 2-fluoropyridin-4-yl group, 2-fluoropyridin-5-yl group, 5-fluoropyridin-2-yl group, 4-fluoropyridin-2-yl group, 3-fluoropyridin-2-yl group, 2-bromopyridin-3-yl group, 2-bromopyridin-4-yl group, 2-bromopyridin-5-yl group, 5-bromopyridin-2-yl group,

4-bromopyridin-2-yl group, 3-bromopyridin-2-yl group, 2-bromo-4-chloropyridin-4-yl group, 2,6-dichloropyridin-4-yl group, 2,4,6-trichloropyridin-3-yl group or the like.

5 A phenoxy C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of halogen atom(s), a halogen-substituted or unsubstituted C1-6 alkyl group and a halogen-substituted or unsubstituted C1-6 alkoxy group) is a group containing a phenoxy group unsubstituted or substituted by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a halogen-substituted or unsubstituted C1-6 alkyl group and a halogen-substituted or unsubstituted C1-6 alkoxy group defined above and a C1-6 alkyl group, examples of which include a phenoxymethyl group, 2-phenoxyethyl group, 3-phenoxypropyl group, 4-phenoxybutyl group, 5-phenoxypentyl group, 6-phenoxyhexyl group, 4-fluorophenoxymethyl group, 2-fluoro-4-bromophenoxymethyl group, 4-chloro-3-fluorophenoxymethyl group, 2,3,4-trichlorophenoxymethyl group, 3,4,5-trichlorophenoxymethyl group, 2,4,6-trichlorophenoxymethyl group, 4-isopropylphenoxymethyl group, 4-n-butylphenoxymethyl group, 4-methylphenoxymethyl group, 2-methylphenoxymethyl group, 3-methylphenoxymethyl group, 2,4-dimethylphenoxymethyl group, 2,3-dimethylphenoxymethyl group, 2,6-dimethylphenoxymethyl group, 3,5-dimethylphenoxymethyl group, 2,5-

- dimethylphenoxyethyl group, 2,4,6-trimethylphenoxyethyl group, 3,5-ditrifluoromethylphenoxyethyl group, 2,3,4,5,6-pentafluorophenoxyethyl group, 4-isopropoxyphenoxyethyl group, 4-n-
- 5 butoxyphenoxyethyl group, 4-methoxyphenoxyethyl group, 2-methoxyphenoxyethyl group, 3-methoxyphenoxyethyl group, 2,4-dimethoxyphenoxyethyl group, 2,3-dimethoxyphenoxyethyl group, 2,6-dimethoxyphenoxyethyl group, 3,5-dimethoxyphenoxyethyl group, 2,5-
- 10 dimethoxyphenoxyethyl group, 2,4,6-trimethoxyphenoxyethyl group, 3,5-ditrifluoromethoxyphenoxyethyl group, 2-isopropoxyphenoxyethyl group, 3-chloro-4-methoxyphenoxyethyl group, 2-chloro-4-trifluoromethoxyphenoxyethyl group, 3-methyl-4-fluorophenoxy-
- 15 methyl group, 4-bromo-3-trifluoromethylphenoxyethyl group, 2-(4-fluorophenoxy)ethyl group, 3-(4-fluorophenoxy)propyl group, 4-(4-fluorophenoxy)butyl group, 5-(4-fluorophenoxy)pentyl group, 6-(4-fluorophenoxy)hexyl group, 4-chlorophenoxyethyl group,
- 20 2-(4-chlorophenoxy)ethyl group, 3-(4-chlorophenoxy)propyl group, 4-(4-chlorophenoxy)butyl group, 5-(4-chlorophenoxy)pentyl group, 6-(4-chlorophenoxy)hexyl group, 4-methylphenoxyethyl group, 2-(4-methylphenoxy)ethyl group, 3-(4-methylphenoxy)propyl group,
- 25 4-(4-methylphenoxy)butyl group, 5-(4-methylphenoxy)pentyl group, 6-(4-methylphenoxy)hexyl group, 4-trifluoromethylphenoxyethyl group, 2-(4-trifluoromethylphenoxy)ethyl group, 3-(4-trifluoromethyl-

phenoxy)propyl group, 4-(4-trifluoromethylphenoxy)butyl group, 5-(4-trifluoromethylphenoxy)pentyl group, 6-(4-trifluoromethylphenoxy)hexyl group, 4-trifluoromethoxyphenoxyethyl group, 2-(4-trifluoromethoxyphenoxy)ethyl group, 3-(4-trifluoromethoxyphenoxy)propyl group, 4-(4-trifluoromethoxyphenoxy)butyl group, 5-(4-trifluoromethoxyphenoxy)pentyl group, 6-(4-trifluoromethoxyphenoxy)hexyl group, 2-(4-methoxyphenoxy)ethyl group, 3-(4-methoxyphenoxy)propyl group, 4-(4-methoxyphenoxy)butyl group, 5-(4-methoxyphenoxy)pentyl group, 6-(4-methoxyphenoxy)hexyl group or the like.

A benzoyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group and a halogen-substituted or unsubstituted C1-6 alkoxy group) includes a benzoyl C1-6 alkyl group (which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group and a halogen-substituted or unsubstituted C1-6 alkoxy group), for example, a benzoylmethyl group, 2-benzoylethyl group, 1-benzoylethyl group, 3-benzoylpropyl group, 4-benzoylbutyl group, 5-benzoylpentyl group, 6-benzoylhexyl group, 2-methyl-3-benzoylpropyl group, 1,1-dimethyl-2-benzoylethyl group, 2-fluorobenzoylmethyl group, 3-fluorobenzoylmethyl group, 4-fluorobenzoylmethyl group, 2-chlorobenzoyl-

methyl group, 3-chlorobenzoylmethyl group, 4-
 chlorobenzoylmethyl group, 2-bromobenzoylmethyl group,
 3-bromobenzoylmethyl group, 4-bromobenzoylmethyl group,
 2-fluoro-4-bromobenzoylmethyl group, 4-chloro-3-
 5 fluorobenzoylmethyl group, 2,3,4-trichlorobenzoylmethyl
 group, 2,4,6-trichlorobenzoylmethyl group, 4-isopropyl-
 benzoylmethyl group, 4-n-butylbenzoylmethyl group, 2,4-
 dimethylbenzoylmethyl group, 2,3-dimethylbenzoylmethyl
 group, 2,6-dimethylbenzoylmethyl group, 3,5-dimethyl-
 10 benzoylmethyl group, 2,5-dimethylbenzoylmethyl group,
 2,4,6-trimethylbenzoylmethyl group, 3,5-ditrifluoro-
 methylbenzoylmethyl group, 2,3,4,5,6-pentafluoro-
 benzoylmethyl group, 4-n-butoxybenzoylmethyl group,
 2,4-dimethoxybenzoylmethyl group, 2,3-dimethoxybenzoyl-
 15 methyl group, 2,6-dimethoxybenzoylmethyl group, 3,5-
 dimethoxybenzoylmethyl group, 2,5-dimethoxybenzoyl-
 methyl group, 3,5-ditrifluoromethoxybenzoylmethyl
 group, 3-chloro-4-methoxybenzoylmethyl group, 2-chloro-
 4-trifluoromethoxybenzoylmethyl group, 3-methyl-4-
 20 fluorobenzoylmethyl group, 4-bromo-3-trifluoromethyl-
 benzoylmethyl group, 2-trifluoromethylbenzoylmethyl
 group, 3-trifluoromethylbenzoylmethyl group, 4-
 trifluoromethylbenzoylmethyl group, 2-trifluoromethoxy-
 benzoylmethyl group, 3-trifluoromethoxybenzoylmethyl
 25 group, 4-trifluoromethoxybenzoylmethyl group, 2-(2-
 fluorobenzoyl)ethyl group, 2-(3-fluorobenzoyl)ethyl
 group, 2-(4-fluorobenzoyl)ethyl group, 2-(2-
 chlorobenzoyl)ethyl group, 2-(3-chlorobenzoyl)ethyl

- group, 2-(4-chlorobenzoyl)ethyl group, 2-(2-bromobenzoyl)ethyl group, 2-(3-bromobenzoyl)ethyl group, 2-(4-bromobenzoyl)ethyl group, 2-(2-trifluoromethylbenzoyl)ethyl group, 2-(3-trifluoromethylbenzoyl)ethyl group, 2-(4-trifluoromethylbenzoyl)ethyl group, 2-(2-trifluoromethoxybenzoyl)ethyl group, 2-(3-trifluoromethoxybenzoyl)ethyl group, 2-(4-trifluoromethoxybenzoyl)ethyl group, 3-(2-chlorobenzoyl)propyl group, 3-(3-chlorobenzoyl)propyl group, 3-(4-chlorobenzoyl)propyl group, 3-(2-trifluoromethylbenzoyl)propyl group, 3-(3-trifluoromethylbenzoyl)propyl group, 3-(4-trifluoromethylbenzoyl)propyl group, 3-(2-trifluoromethoxybenzoyl)propyl group, 3-(3-trifluoromethoxybenzoyl)propyl group, 3-(4-trifluoromethoxybenzoyl)propyl group, 4-(2-chlorobenzoyl)butyl group, 4-(3-chlorobenzoyl)butyl group, 4-(4-chlorobenzoyl)butyl group, 4-(2-trifluoromethylbenzoyl)butyl group, 4-(3-trifluoromethylbenzoyl)butyl group, 4-(4-trifluoromethylbenzoyl)butyl group, 4-(2-trifluoromethoxybenzoyl)butyl group, 4-(3-trifluoromethoxybenzoyl)butyl group, 4-(4-trifluoromethoxybenzoyl)butyl group, 5-(2-chlorobenzoyl)pentyl group, 5-(3-chlorobenzoyl)pentyl group, 5-(4-chlorobenzoyl)pentyl group, 5-(2-trifluoromethylbenzoyl)pentyl group, 5-(3-trifluoromethylbenzoyl)pentyl group, 5-(4-trifluoromethylbenzoyl)pentyl group, 5-(2-trifluoromethoxybenzoyl)pentyl group, 5-(3-trifluoromethoxybenzoyl)pentyl group, 5-(4-trifluoro-

methoxybenzoyl)pentyl group, 6-(2-chlorobenzoyl)hexyl group, 6-(3-chlorobenzoyl)hexyl group, 6-(4-chlorobenzoyl)hexyl group, 6-(2-trifluoromethylbenzoyl)hexyl group, 6-(3-trifluoromethylbenzoyl)hexyl group, 6-(4-trifluoromethylbenzoyl)hexyl group, 6-(2-trifluoromethoxybenzoyl)hexyl group, 6-(3-trifluoromethoxybenzoyl)hexyl group, 6-(4-trifluoromethoxybenzoyl)hexyl group or the like.

A phenoxy group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom; halogen-substituted or unsubstituted C1-6 alkyl group; halogen-substituted or unsubstituted C1-6 alkoxy group; C1-4 alkylenedioxy group; C1-6 alkoxycarbonyl group; cyano group; C2-6 alkenyl group; nitro group; phenyl group; an amino group which may have a group selected from a group consisting of a phenyl group, C1-6 alkyl group, carbamoyl group and C1-6 alkanoyl group as a substituent; C1-6 alkyl group substituted by a C1-6 alkanoyl group; hydroxyl group; C1-6 alkyl group substituted by a C1-6 alkoxycarbonyl group; phenyl C1-6 alkyl group; C1-6 alkanoyl group; C1-6 alkylthio group; 1,2,4-triazolyl group; isoxazolyl group; imidazolyl group; benzothiazolyl group; 2H-benzotriazolyl group; pyrolyl group; benzoxazolyl group; piperazinyl group (which may be substituted on the piperazin ring by at least one group selected from a group consisting of a C1-6 alkoxycarbonyl group and a phenyl C1-6 alkyl group

(which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group and a halogen-substituted or

5 unsubstituted C1-6 alkoxy group) as a substituent); piperidyl group (which may be substituted on the piperidine ring by at least one amino group (which may be substituted on the amino group by at least one group selected from a group consisting of a C1-6 alkyl and

10 phenyl group (which may be substituted on the phenyl ring with at least one group from a group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group and a halogen-substituted or unsubstituted C1-6 alkoxy group) as a substituent); and

15 carbamoyl group)) includes a phenoxy group (which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a halogen atom; a halogen-substituted or unsubstituted C1-6 alkyl group; halogen-substituted or unsubstituted

20 C1-6 alkoxy group; C1-4 alkylendioxy group; C1-6 alkoxycarbonyl group; cyano group; C2-6 alkenyl group; nitro group; phenyl group; an amino group which may have 1 to 2 groups selected from a group consisting of phenyl group, C1-6 alkyl group, carbamoyl group and C1-

25 6 alkanoyl group as a substituent; C1-6 alkyl group substituted by a C1-6 alkanoyl group; hydroxyl group; C1-6 alkyl group substituted by a C1-6 alkoxycarbonyl group; phenyl C1-6 alkyl group; C1-6 alkanoyl group;

C1-6 alkylthio group; 1,2,4-triazolyl group; isoxazolyl group; imidazolyl group; benzothiazolyl group; 2H-benzotriazolyl group; pyrolyl group; benzoxazolyl group; piperazinyl group (which may be substituted on the piperazin ring by 1 to 3 groups selected from a group consisting of a C1-6 alkoxycarbonyl group and phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group) as a substituent); piperidyl group (which may be substituted on the piperidine ring by 1 to 3 groups selected from a group consisting of an amino group (which may be substituted on the amino group by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a C1-6 alkyl and phenyl group (which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group) as a substituent) and carbamoyl group), for example, a phenoxy group, 2-fluorophenoxy group, 3-fluorophenoxy group, 4-fluorophenoxy group, 2-chlorophenoxy group, 3-chlorophenoxy group, 4-chlorophenoxy group, 2-bromophenoxy group, 3-bromophenoxy group, 4-bromophenoxy group, 2-iodophenoxy group, 3-iodophenoxy group, 4-iodophenoxy group, 2,3-

difluorophenoxy group, 3,4-difluorophenoxy group, 3,5-
 difluorophenoxy group, 2,4-difluorophenoxy group, 2,6-
 difluorophenoxy group, 2,3-dichlorophenoxy group, 3,4-
 dichlorophenoxy group, 3,5-dichlorophenoxy group, 2,4-
 5 dichlorophenoxy group, 2,6-dichlorophenoxy group,
 2,3,4-trifluorophenoxy group, 3,4,5-trifluorophenoxy
 group, 3,4,5-trichlorophenoxy group, 2,4,6-trifluoro-
 phenoxy group, 2,3,4,5,6-pentafluorophenoxy group,
 2,4,6-trichlorophenoxy group, 2-fluoro-4-chlorophenoxy
 10 group, 2-fluoro-4-bromophenoxy group, 3-fluoro-4-
 chlorophenoxy group, 2-methylphenoxy group, 3-
 methylphenoxy group, 4-methylphenoxy group, 2,6-
 dimethylphenoxy group, 2,4,6-trimethylphenoxy group, 2-
 methyl-3-chlorophenoxy group, 3-methyl-4-chlorophenoxy
 15 group, 2-chloro-4-methylphenoxy group, 2-methyl-3-
 fluorophenoxy group, 2-trifluoromethylphenoxy group, 3-
 trifluoromethylphenoxy group, 4-trifluoromethylphenoxy
 group, 3,5-di(trifluoromethyl)phenoxy group, 3,4-
 di(trifluoromethyl)phenoxy group, 2,4-di(trifluoro-
 20 methyl)phenoxy group, 2-pentafluoroethylphenoxy group,
 3-pentafluoroethylphenoxy group, 4-pentafluoroethyl
 phenoxy group, 2-isopropylphenoxy group, 3-isopropyl-
 phenoxy group, 4-isopropylphenoxy group, 2-tert-
 butylphenoxy group, 3-tert-butylphenoxy group, 4-tert-
 25 butylphenoxy group, 2-sec-butylphenoxy group, 3-sec-
 butylphenoxy group, 4-sec-butylphenoxy group, 4-n-
 butylphenoxy group, 4-n-pentylphenoxy group, 4-n-
 hexylphenoxy group, 2-n-heptafluoropropylphenoxy group,

- 3-n-heptafluoropropylphenoxy group, 4-n-heptafluoro-
 propylphenoxy group, 4-pentylphenoxy group, 4-
 hexylphenoxy group, 2-methoxyphenoxy group, 3-
 methoxyphenoxy group, 4-methoxyphenoxy group, 2-
 5 methoxy-3-chlorophenoxy group, 2-fluoro-3-methoxy-
 phenoxy group, 2-fluoro-4-methoxyphenoxy group, 2-
 fluoro-4-bromophenoxy group, 2,4-dimethylphenoxy group,
 2,3-dimethylphenoxy group, 3,5-dimethylphenoxy group,
 2,5-dimethylphenoxy group, 4-isopropoxyphenoxy group,
 10 4-n-butoxyphenoxy group, 2,4-dimethoxyphenoxy group,
 2,3-dimethoxyphenoxy group, 3,5-dimethoxyphenoxy group,
 2,5-dimethoxyphenoxy group, 2,4,6-trimethoxyphenoxy
 group, 3,5-ditrifluoromethoxyphenoxy group, 2-
 isopropoxyphenoxy group, 3-chloro-4-methoxyphenoxy
 15 group, 2-chloro-4-trifluoromethoxyphenoxy group, 3-
 methyl-4-fluorophenoxy group, 4-bromo-3-
 trifluoromethylphenoxy group, 2,6-dimethoxyphenoxy
 group, 2-trifluoromethoxyphenoxy group, 3-trifluoro-
 methoxyphenoxy group, 4-trifluoromethoxyphenoxy group,
 20 2,3-di(trifluoromethoxy)phenoxy group, 3,5-
 di(trifluoromethoxy)phenoxy group, 2,4-di(trifluoro-
 methoxy)phenoxy group, 2-pentafluoroethoxyphenoxy
 group, 3-pentafluoroethoxyphenoxy group, 4-
 pentafluoroethoxyphenoxy group, 3-isopropoxyphenoxy
 25 group, 2-tert-butoxyphenoxy group, 3-tert-butoxyphenoxy
 group, 4-tert-butoxyphenoxy group, 2-sec-butoxyphenoxy
 group, 3-sec-butoxyphenoxy group, 4-sec-butoxyphenoxy
 group, 4-n-hexyloxyphenoxy group, 2-n-heptafluoro-

- propoxyphenoxy group, 3-n-heptafluoropropoxyphenoxy group, 4-n-heptafluoropropoxyphenoxy group, 2,3-methylenedioxyphenoxy group, 3,4-methylenedioxyphenoxy group, 2,3-ethylenedioxyphenoxy group, 3,4-
- 5 ethylenedioxyphenoxy group, 2-methoxycarbonylphenoxy group, 3-methoxycarbonylphenoxy group, 4-methoxycarbonylphenoxy group, 2-ethoxycarbonylphenoxy group, 3-ethoxycarbonylphenoxy group, 4-ethoxycarbonylphenoxy group, 4-propoxycarbonylphenoxy
- 10 group, 4-butoxycarbonylphenoxy group, 4-pentoxycarbonylphenoxy group, 4-hexyloxycarbonylphenoxy group, 2-cyanophenoxy group, 3-cyanophenoxy group, 4-cyanophenoxy group, 2,3-dicyanophenoxy group, 2,4,6-tricyanophenoxy group, 2-vinylphenoxy group, 3-
- 15 vinylphenoxy group, 4-vinylphenoxy group, 2-allylphenoxy group, 3-allylphenoxy group, 4-allylphenoxy group, 2-(3-butenyl)phenoxy group, 3-(3-butenyl)phenoxy group, 4-(3-butenyl)phenoxy group, 2-(4-pentenyl)phenoxy group, 3-(4-pentenyl)phenoxy group, 4-(4-
- 20 pentenyl)phenoxy group, 2-(5-hexenyl)phenoxy group, 3-(5-hexenyl)phenoxy group, 4-(5-hexenyl)phenoxy group, 2-nitrophenoxy group, 3-nitrophenoxy group, 4-nitrophenoxy group, 2,3-dinitrophenoxy group, 2,4-dinitrophenoxy group, 2,4,6-trinitrophenoxy group, 2-
- 25 biphenylyloxy group, 3-biphenylyloxy group, 4-biphenylyloxy group, 2-dimethylaminophenoxy group, 3-dimethylaminophenoxy group, 4-dimethylaminophenoxy group, 2-diethylaminophenoxy group, 3-diethylamino-

phenoxy group, 4-diethylaminophenoxy group, 2-di-(n-propyl)aminophenoxy group, 3-di-(n-propyl)aminophenoxy group, 4-di-(n-propyl)aminophenoxy group, 2-diphenylaminophenoxy group, 3-diphenylaminophenoxy group, 4-diphenylaminophenoxy group, 2-acetylaminophenoxy group, 3-acetylaminophenoxy group, 4-acetylaminophenoxy group, 2-propionylaminophenoxy group, 3-propionylaminophenoxy group, 4-propionylaminophenoxy group, 2-butyrylaminophenoxy group, 3-butyrylaminophenoxy group, 4-butyrylaminophenoxy group, 4-pentanoylaminophenoxy group, 4-hexanoylaminophenoxy group, 3-(N-methyl-N-phenylamino)phenoxy group, 2-(N-acetyl-N-methylamino)phenoxy group, 2-carbamoylaminophenoxy group, 3-carbamoylaminophenoxy group, 4-carbamoylaminophenoxy group, 4-(N-acetyl-N-phenylamino)phenoxy group, 4-acetylmethylphenoxy group, 4-propionylmethylphenoxy group, 4-n-butyrylmethylphenoxy group, 4-(2-acetylethyl)phenoxy group, 4-(3-acetylpropyl)phenoxy group, 4-(4-acetylbutyl)phenoxy group, 4-(5-acetylpentyl)phenoxy group, 4-(6-acetylhexyl)phenoxy group, 2-hydroxyphenoxy group, 3-hydroxyphenoxy group, 4-hydroxyphenoxy group, 2,4-dihydroxyphenoxy group, 2,4,6-trihydroxyphenoxy group, 2-hydroxy-3-chlorophenoxy group, 2-fluoro-3-hydroxyphenoxy group, 2-fluoro-4-hydroxyphenoxy group, 4-methoxycarbonylmethylphenoxy group, 4-ethoxycarbonylmethylphenoxy group, 4-n-propoxycarbonylmethylphenoxy group, 4-(2-ethoxycarbonylethyl)phenoxy group, 4-(3-

ethoxycarbonylpropyl)phenoxy group, 4-(4-ethoxy-carbonylbutyl)phenoxy group, 4-(5-ethoxycarbonylpentyl)phenoxy group, 4-(6-ethoxycarbonylhexyl)phenoxy group, 2-benzylphenoxy group, 3-benzylphenoxy group, 4-benzylphenoxy group, 2-(2-phenylethyl)phenoxy group, 3-(2-phenylethyl)phenoxy group, 4-(2-phenylethyl)phenoxy group, 2-(3-phenylpropyl)phenoxy group, 3-(3-phenylpropyl)phenoxy group, 4-(3-phenylpropyl)phenoxy group, 2-(4-phenylbutyl)phenoxy group, 3-(4-phenylbutyl)phenoxy group, 4-(4-phenylbutyl)phenoxy group, 2-(5-phenylpentyl)phenoxy group, 3-(5-phenylpentyl)phenoxy group, 4-(5-phenylpentyl)phenoxy group, 2-(6-phenylhexyl)phenoxy group, 3-(6-phenylhexyl)phenoxy group, 4-(6-phenylhexyl)phenoxy group, 2-acetylphenoxy group, 3-acetylphenoxy group, 4-acetylphenoxy group, 4-n-propionylphenoxy group, 4-n-butyrylphenoxy group, 4-n-pentanoylphenoxy group, 4-n-hexanoylphenoxy group, 2-methylthiophenoxy group, 3-methylthiophenoxy group, 4-methylthiophenoxy group, 4-ethylthiophenoxy group, 4-n-propylthiophenoxy group, 4-isopropylthiophenoxy group, 4-n-butylthiophenoxy group, 4-tert-butylthiophenoxy group, 4-n-pentylthiophenoxy group, 4-n-hexylthiophenoxy group, 2,4-dimethylthiophenoxy group, 3,4,5-dimethylthiophenoxy group, 2-(1,2,4-triazol-1-yl)phenoxy group, 3-(1,2,4-triazolyl-1-yl)phenoxy group, 4-(1,2,4-triazol-1-yl)phenoxy group, 2-(3-isoxazolyl)phenoxy group, 3-(4-isoxazolyl)phenoxy group, 4-(5-isoxazolyl)phenoxy

group, 2-(1-imidazolyl)phenoxy group, 3-(1-imidazolyl)-
 phenoxy group, 4-(1-imidazolyl)phenoxy group, 2-(2-
 benzothiazolyl)phenoxy group, 3-(2-benzothiazolyl)-
 phenoxy group, 4-(2-benzothiazolyl)phenoxy group, 2-
 5 (2H-benzotriazol-2-yl)phenoxy group, 3-(2H-
 benzotriazol-2-yl)phenoxy group, 4-(2H-benzotriazol-2-
 yl)phenoxy group, 2-(1-pyrrolyl)phenoxy group, 3-(1-
 pyrrolyl)phenoxy group, 4-(1-pyrrolyl)phenoxy group, 2-
 (2-benzoxazolyl)phenoxy group, 3-(2-benzoxazolyl)-
 10 phenoxy group, 4-(2-benzoxazolyl)phenoxy group, 2-(1-
 piperazinyl)phenoxy group, 3-(1-piperazinyl)phenoxy
 group, 4-(1-piperazinyl)phenoxy group, 4-(4-
 methoxycarbonyl-1-piperazinyl)phenoxy group, 4-(4-
 ethoxycarbonyl-1-piperazinyl)phenoxy group, 4-(4-n-
 15 propoxycarbonyl-1-piperazinyl)phenoxy group, 4-(4-n-
 butoxycarbonyl-1-piperazinyl)phenoxy group, 4-(4-n-
 pentyloxycarbonyl-1-piperazinyl)phenoxy group, 4-(4-n-
 hexyloxycarbonyl-1-piperazinyl)phenoxy group, 4-(4-
 benzyl-1-piperazinyl)phenoxy group, 4-(4-(2-phenethyl)-
 20 1-piperazinyl)phenoxy group, 4-(4-(3-phenylpropyl)-1-
 piperazinyl)phenoxy group, 4-(4-(4-phenylbutyl)-1-
 piperazinyl)phenoxy group, 4-(4-(5-phenylpentyl)-1-
 piperazinyl)phenoxy group, 4-(4-(6-phenylhexyl)-1-
 piperazinyl)phenoxy group, 4-[4-(2-fluorobenzyl)-1-
 25 piperazinyl]phenoxy group, 4-[4-(3-fluorobenzyl)-1-
 piperazinyl]phenoxy group, 4-[4-(4-fluorobenzyl)-1-
 piperazinyl]phenoxy group, 4-[4-(2-chlorobenzyl)-1-
 piperazinyl]phenoxy group, 4-[4-(3-chlorobenzyl)-1-

- piperazinyl]phenoxy group, 4-[4-(4-chlorobenzyl)-1-piperazinyl]phenoxy group, 4-[4-(2,3-dichlorobenzyl)-1-piperazinyl]phenoxy group, 4-[4-(2,4-dichlorobenzyl)-1-piperazinyl]phenoxy group, 4-[4-(3,4-dichlorobenzyl)-1-piperazinyl]phenoxy group, 4-[4-(3,5-dichlorobenzyl)-1-piperazinyl]phenoxy group, 4-[4-(3,4,5-trichlorobenzyl)-1-piperazinyl]phenoxy group, 4-[4-(2-trifluoromethylbenzyl)-1-piperazinyl]phenoxy group, 4-[4-(3-trifluoromethylbenzyl)-1-piperazinyl]phenoxy group, 4-[4-(4-trifluoromethylbenzyl)-1-piperazinyl]phenoxy group, 4-[4-(4-methylbenzyl)-1-piperazinyl]phenoxy group, 4-[4-(3,4-dimethylbenzyl)-1-piperazinyl]phenoxy group, 4-[4-(2,4,6-trimethylbenzyl)-1-piperazinyl]phenoxy group, 4-[4-(2-pentafluoroethylbenzyl)-1-piperazinyl]phenoxy group, 4-[4-(3-pentafluoroethylbenzyl)-1-piperazinyl]phenoxy group, 4-[4-(4-pentafluoroethylbenzyl)-1-piperazinyl]phenoxy group, 4-[4-(2-trifluoromethoxybenzyl)-1-piperazinyl]phenoxy group, 4-[4-(3-trifluoromethoxybenzyl)-1-piperazinyl]phenoxy group, 4-[4-(4-trifluoromethoxybenzyl)-1-piperazinyl]phenoxy group, 4-[4-(4-methoxybenzyl)-1-piperazinyl]phenoxy group, 4-[4-(3,4-dimethoxybenzyl)-1-piperazinyl]phenoxy group, 4-[4-(2,4,6-trimethoxybenzyl)-1-piperazinyl]phenoxy group, 4-[4-(2-pentafluoroethoxybenzyl)-1-piperazinyl]phenoxy group, 4-[4-(3-pentafluoroethoxybenzyl)-1-piperazinyl]phenoxy group, 4-[4-(4-pentafluoroethoxybenzyl)-1-piperazinyl]phenoxy group,

4-(4-[2-(4-trifluoromethoxyphenyl)ethyl]-1-piperazinyl)phenoxy group, 4-{4-[3-(4-trifluoromethoxyphenyl)propyl]-1-piperazinyl}phenoxy group, 4-{4-[4-(4-trifluoromethoxyphenyl)butyl]-1-piperazinyl}phenoxy

5 group, 4-{4-[5-(4-trifluoromethoxyphenyl)pentyl]-1-piperazinyl}phenoxy group, 4-{4-[6-(4-trifluoromethoxyphenyl)hexyl]-1-piperazinyl}phenoxy group, 4-{4-[2-(4-trifluoromethylphenyl)ethyl]-1-piperazinyl}phenoxy

10 group, 4-{4-[3-(4-trifluoromethylphenyl)propyl]-1-piperazinyl}phenoxy group, 4-{4-[4-(4-trifluoromethylphenyl)butyl]-1-piperazinyl}phenoxy group, 4-{4-[5-(4-trifluoromethylphenyl)pentyl]-1-piperazinyl}phenoxy

group, 4-{4-[6-(4-trifluoromethylphenyl)hexyl]-1-piperazinyl}phenoxy group, 2-piperidinophenoxy group,

15 3-piperidinophenoxy group, 4-piperidinophenoxy group, 2-(4-amino-1-piperidyl)phenoxy group, 3-(4-amino-1-piperidyl)phenoxy group, 4-(4-amino-1-piperidyl)phenoxy

group, 4-(4-methylamino-1-piperidyl)phenoxy group, 4-(4-ethylamino-1-piperidyl)phenoxy group, 4-(4-n-

20 propylamino-1-piperidyl)phenoxy group, 4-(4-dimethylamino-1-piperidyl)phenoxy group, 4-(4-diethylamino-1-piperidyl)phenoxy group, 4-(4-di-n-propylamino-1-piperidyl)phenoxy group, 4-(4-phenyl-

amino-1-piperidyl)phenoxy group, 4-[4-(N-phenyl-N-

25 methylamino)-1-piperidyl]phenoxy group, 4-[4-(2-fluorophenylamino)-1-piperidyl]phenoxy group, 4-[4-(3-fluorophenylamino)-1-piperidyl]phenoxy group, 4-[4-(4-fluorophenylamino)-1-piperidyl]phenoxy group, 4-[4-(2-

chlorophenylamino)-1-piperidyl]phenoxy group, 4-[4-(3-chlorophenylamino)-1-piperidyl]phenoxy group, 4-[4-(4-chlorophenylamino)-1-piperidyl]phenoxy group, 4-[4-(2,3-dichlorophenylamino)-1-piperidyl]phenoxy group, 4-
 5 [4-(2,4-dichlorophenylamino)-1-piperidyl]phenoxy group, 4-[4-(3,4-dichlorophenylamino)-1-piperidyl]phenoxy group, 4-[4-(3,5-dichlorophenylamino)-1-piperidyl]phenoxy group, 4-[4-(2-trifluoromethylphenylamino)-1-piperidyl]phenoxy group, 4-[4-(2-methylphenylamino)-1-
 10 piperidyl]phenoxy group, 4-[4-(2,3-dimethylphenylamino)-1-piperidyl]phenoxy group, 4-[4-(2-trifluoromethylphenylamino)-1-piperidyl]phenoxy group, 4-[4-(2,4,6-trimethylphenylamino)-1-piperidyl]phenoxy group, 4-[4-(4-trifluoromethylphenylamino)-1-piperidyl]phenoxy
 15 group, 4-[4-(2-pentafluoroethylphenylamino)-1-piperidyl]phenoxy group, 4-[4-(3-pentafluoroethylphenylamino)-1-piperidyl]phenoxy group, 4-[4-(4-pentafluoroethylphenylamino)-1-piperidyl]phenoxy group, 4-[4-(2-trifluoromethoxyphenylamino)-1-piperidyl]-
 20 phenoxy group, 4-[4-(2-methoxyphenylamino)-1-piperidyl]phenoxy group, 4-[4-(2,3-dimethoxyphenylamino)-1-piperidyl]phenoxy group, 4-[4-(2,4,6-trimethoxyphenylamino)-1-piperidyl]phenoxy group, 4-[4-[N-methyl-N-(2,4,6-trimethoxyphenylamino)]-1-
 25 piperidyl]phenoxy group, 4-[4-[N-methyl-N-(3,4-dimethylphenylamino)]-1-piperidyl]phenoxy group, 4-[4-(3-trifluoromethoxyphenylamino)-1-piperidyl]phenoxy group, 4-[4-(4-trifluoromethoxyphenylamino)-1-

piperidyl]phenoxy group, 4-[4-(2-pentafluoroethoxy-phenylamino)-1-piperidyl]phenoxy group, 4-[4-(3-pentafluoroethoxyphenylamino)-1-piperidyl]phenoxy group, 4-[4-(4-pentafluoroethoxyphenylamino)-1-piperidyl]phenoxy group, 2-carbamoylphenoxy group, 3-carbamoylphenoxy group, 4-carbamoylphenoxy group or the like.

Examples of a phenyl group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a phenoxy group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group as a substituent), halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group) include a phenyl group (which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a phenoxy group (which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group as a substituent), halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group as a substituent), for example, a

phenyl group, 2-fluorophenyl group, 3-fluorophenyl group, 4-fluorophenyl group, 2-chlorophenyl group, 3-chlorophenyl group, 4-chlorophenyl group, 2-bromophenyl group, 3-bromophenyl group, 4-bromophenyl group, 2-iodophenyl group, 3-iodophenyl group, 4-iodophenyl group, 2,3-difluorophenyl group, 3,4-difluorophenyl group, 3,5-difluorophenyl group, 2,4-difluorophenyl group, 2,6-difluorophenyl group, 2,3-dichlorophenyl group, 3,4-dichlorophenyl group, 3,5-dichlorophenyl group, 2,4-dichlorophenyl group, 2,6-dichlorophenyl group, 2,3,4-trifluorophenyl group, 3,4,5-trifluorophenyl group, 3,4,5-trichlorophenyl group, 2,4,6-trifluorophenyl group, 2,3,4,5,6-pentafluorophenyl group, 2,4,6-trichlorophenyl group, 2-fluoro-4-chlorophenyl group, 2-fluoro-4-bromophenyl group, 3-fluoro-4-chlorophenyl group, 2-methylphenyl group, 3-methylphenyl group, 4-methylphenyl group, 2-methyl-3-chlorophenyl group, 3-methyl-4-chlorophenyl group, 2-chloro-4-methylphenyl group, 2-methyl-3-fluorophenyl group, 2-trifluoromethylphenyl group, 3-trifluoromethylphenyl group, 4-trifluoromethylphenyl group, 2-pentafluoroethylphenyl group, 3-pentafluoroethylphenyl group, 4-pentafluoroethylphenyl group, 2-isopropylphenyl group, 3-isopropylphenyl group, 4-isopropylphenyl group, 2-tert-butylphenyl group, 3-tert-butylphenyl group, 4-tert-butylphenyl group, 2-sec-butylphenyl group, 3-sec-butylphenyl group, 4-sec-butylphenyl group, 2-n-heptafluoropropylphenyl group,

3-n-heptafluoropropylphenyl group, 4-n-heptafluoro-
 propylphenyl group, 4-pentylphenyl group, 4-hexylphenyl
 group, 2-fluoro-4-bromophenyl group, 4-chloro-3-
 fluorophenyl group, 2,3,4-trichlorophenyl group, 4-n-
 5 butylphenyl group, 2,4-dimethylphenyl group, 2,3-
 dimethylphenyl group, 2,4-dimethylphenyl group, 2,6-
 dimethylphenyl group, 3,5-dimethylphenyl group, 2,5-
 dimethylphenyl group, 2,4,6-trimethylphenyl group, 3,5-
 ditrifluoromethylphenyl group, 4-n-butoxyphenyl group,
 10 2,4-dimethoxyphenyl group, 2,3-dimethoxyphenyl group,
 2,6-dimethoxyphenyl group, 3,5-dimethoxyphenyl group,
 2,5-dimethoxyphenyl group, 3,5-ditrifluoromethoxyphenyl
 group, 2,4,6-trimethoxyphenyl group, 3-chloro-4-
 methoxyphenyl group, 2-chloro-4-trifluoromethoxyphenyl
 15 group, 3-methyl-4-fluorophenyl group, 4-bromo-3-
 trifluoromethylphenyl group, 2-methylphenyl group, 3-
 methylphenyl group, 4-methoxyphenyl group, 2-methoxy-3-
 chlorophenyl group, 2-fluoro-3-methoxyphenyl group, 2-
 fluoro-4-methoxyphenyl group, 2,6-dimethoxyphenyl
 20 group, 2-trifluoromethoxyphenyl group, 3-trifluoro-
 methoxyphenyl group, 4-trifluoromethoxyphenyl group, 2-
 pentafluoroethoxyphenyl group, 3-pentafluoroethoxy-
 phenyl group, 4-pentafluoroethoxyphenyl group, 2-
 isopropoxyphenyl group, 3-isopropoxyphenyl group, 4-
 25 isopropoxyphenyl group, 2-tert-butoxyphenyl group, 3-
 tert-butoxyphenyl group, 4-tert-butoxyphenyl group, 2-
 sec-butoxyphenyl group, 3-sec-butoxyphenyl group, 4-
 sec-butoxyphenyl group, 2-n-heptafluoropropoxyphenyl

group, 3-n-heptafluoropropoxyphenyl group, 4-n-
heptafluoropropoxyphenyl group, 4-pentyloxyphenyl
group, 4-hexyloxyphenyl group, 2-phenoxyphenyl group,
3-phenoxyphenyl group, 4-phenoxyphenyl group, 2-(2-
5 chlorophenoxy)phenyl group, 2-(3-chlorophenoxy)phenyl
group, 2-(4-chlorophenoxy)phenyl group, 3-(2-
chlorophenoxy)phenyl group, 3-(3-chlorophenoxy)phenyl
group, 3-(4-chlorophenoxy)phenyl group, 4-(2-
chlorophenoxy)phenyl group, 4-(3-chlorophenoxy)phenyl
10 group, 4-(4-chlorophenoxy)phenyl group, 2-(2-
trifluoromethylphenoxy)phenyl group, 2-(2-methyl-
phenoxy)phenyl group, 2-(3-trifluoromethylphenoxy)-
phenyl group, 2-(4-trifluoromethylphenoxy)phenyl group,
3-(2-trifluoromethylphenoxy)phenyl group, 3-(3-
15 trifluoromethylphenoxy)phenyl group, 3-(4-trifluoro-
methylphenoxy)phenyl group, 4-(2-trifluoromethyl-
phenoxy)phenyl group, 4-(3-trifluoromethylphenoxy)-
phenyl group, 4-(4-trifluoromethylphenoxy)phenyl group,
2-(2-trifluoromethoxyphenoxy)phenyl group, 2-(3-
20 trifluoromethoxyphenoxy)phenyl group, 2-(4-trifluoro-
methoxyphenoxy)phenyl group, 2-(4-methoxyphenoxy)phenyl
group, 2-(2,4-dimethylphenoxy)phenyl group, 2-(2,4,6-
trimethylphenoxy)phenyl group, 2-(3,4-dimethoxy-
phenoxy)phenyl group, 2-(3,4,5-trimethoxyphenoxy)phenyl
25 group, 3-(2-trifluoromethoxyphenoxy)phenyl group, 3-(3-
trifluoromethoxyphenoxy)phenyl group, 3-(4-trifluoro-
methoxyphenoxy)phenyl group, 4-(2-trifluoromethoxy-
phenoxy)phenyl group, 4-(3-trifluoromethoxyphenoxy)-

phenyl group, 4-(4-trifluoromethoxyphenoxy)phenyl group or the like.

A C3-8 cycloalkyl-C1-6 alkoxy group is a group containing a cyclic alkyl group having 3 to 8 carbon atoms and an alkoxy group having 1 to 6 carbon atoms, examples of which include a cyclopropylmethoxy group, 2-cyclopropylethoxy group, 3-cyclopropylpropoxy group, 4-cyclopropylbutoxy group, 5-cyclopropylpentyloxy group, 6-cyclopropylhexyloxy group, cyclobutylmethoxy group, 2-cyclobutylethoxy group, 3-cyclobutylpropoxy group, 4-cyclobutylbutoxy group, 5-cyclobutylpentyloxy group, 6-cyclobutylhexyloxy group, cyclopentylmethoxy group, 2-cyclopentylethoxy group, 3-cyclopentylpropoxy group, 4-cyclopentylbutoxy group, 5-cyclopentylpentyloxy group, 6-cyclopentylhexyloxy group, cyclohexylmethoxy group, 2-cyclohexylethoxy group, 3-cyclohexylpropoxy group, 4-cyclohexylbutoxy group, 5-cyclohexylpentyloxy group, 6-cyclohexylhexyloxy group, cycloheptylmethoxy group, 2-cycloheptylethoxy group, 3-cycloheptylpropoxy group, 4-cycloheptylbutoxy group, 5-cycloheptylpentyloxy group, 6-cycloheptylhexyloxy group, cyclooctylmethoxy group, 2-cyclooctylethoxy group, 3-cyclooctylpropoxy group, 4-cyclooctylbutoxy group, 5-cyclooctylpentyloxy group, 6-cyclooctylhexyloxy group or the like.

A phenylcarbamoyl group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom, a

halogen-substituted or unsubstituted C1-6 alkyl group and a halogen-substituted or unsubstituted C1-6 alkoxy group) is a group containing aniline, N-C1-6 alkyl-aniline or N-phenyl C1-6 alkylaniline which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a halogen, a halogen-substituted or unsubstituted C1-6 alkyl group and a halogen-substituted or unsubstituted C1-6 alkoxy group, and a carbonyl group, examples of which include a phenylcarbamoyl group, 2-fluorophenyl-carbamoyl group, 3-fluorophenylcarbamoyl group, 4-fluorophenylcarbamoyl group, 2-chlorophenylcarbamoyl group, 3-chlorophenylcarbamoyl group, 4-chlorophenyl-carbamoyl group, 2-bromophenylcarbamoyl group, 3-bromophenylcarbamoyl group, 4-bromophenylcarbamoyl group, 2-iodophenylcarbamoyl group, 3-iodophenyl-carbamoyl group, 4-iodophenylcarbamoyl group, 2,3-difluorophenylcarbamoyl group, 3,4-difluorophenyl-carbamoyl group, 3,5-difluorophenylcarbamoyl group, 2,4-difluorophenylcarbamoyl group, 2,6-difluorophenyl-carbamoyl group, 2,3-dichlorophenylcarbamoyl group, 3,4-dichlorophenylcarbamoyl group, 3,5-dichlorophenyl-carbamoyl group, 2,4-dichlorophenylcarbamoyl group, 2,6-dichlorophenylcarbamoyl group, 3,4,5-trifluoro-phenylcarbamoyl group, 2,3,4,5,6-pentafluorophenyl-carbamoyl group, 3,4,5-trichlorophenylcarbamoyl group, 2,4,6-trifluorophenylcarbamoyl group, 2,4,6-trichlorophenylcarbamoyl group, 2-methylphenylcarbamoyl

- group, 3-methylphenylcarbamoyl group, 4-methylphenylcarbamoyl group, 2-methyl-3-chlorophenylcarbamoyl group, 3-methyl-4-chlorophenylcarbamoyl group, 2-chloro-4-methylphenylcarbamoyl group, 2-methyl-3-
- 5 fluorophenylcarbamoyl group, 2-trifluoromethylphenylcarbamoyl group, 3-trifluoromethylphenylcarbamoyl group, N-methyl-N-phenylcarbamoyl group, N-(2-fluorophenyl)-N-methylcarbamoyl group, N-(3-fluorophenyl)-N-methylcarbamoyl group, N-(4-fluorophenyl)-N-
- 10 methylcarbamoyl group, N-(2-chlorophenyl)-N-methylcarbamoyl group, N-(3-chlorophenyl)-N-methylcarbamoyl group, N-(4-chlorophenyl)-N-methylcarbamoyl group, N-(4-bromophenyl)-N-methylcarbamoyl group, N-(2-
- iodophenyl)-N-methylcarbamoyl group, N-(3-iodophenyl)-
- 15 N-methylcarbamoyl group, N-(4-iodophenyl)-N-methylcarbamoyl group, N-(2,3-difluorophenyl)-N-methylcarbamoyl group, N-(3,4-difluorophenyl)-N-methylcarbamoyl group, N-(3,5-difluorophenyl)-N-methylcarbamoyl group, N-(2,4-difluorophenyl)-N-
- 20 methylcarbamoyl group, N-(2,6-difluorophenyl)-N-methylcarbamoyl group, N-(2,3-dichlorophenyl)-N-methylcarbamoyl group, N-(3,4-dichlorophenyl)-N-methylcarbamoyl group, N-(3,5-dichlorophenyl)-N-methylcarbamoyl group, N-(2,4-dichlorophenyl)-N-
- 25 methylcarbamoyl group, N-(2,6-dichlorophenyl)-N-methylcarbamoyl group, N-(3,4,5-trifluorophenyl)-N-methylcarbamoyl group, N-(3,4,5-trichlorophenyl)-N-methylcarbamoyl group, N-(2,4,6-trifluorophenyl)-N-

methylcarbamoyl group, N-(2,4,6-trichlorophenyl)-N-
 methylcarbamoyl group, N-(2-methylphenyl)-N-methyl-
 carbamoyl group, N-(3-methylphenyl)-N-methylcarbamoyl
 group, N-(4-methylphenyl)-N-methylcarbamoyl group, N-
 5 (2-methyl-3-chlorophenyl)-N-methylcarbamoyl group, N-
 (3-methyl-4-chlorophenyl)-N-methylcarbamoyl group, N-
 (2-chloro-4-methylphenyl)-N-methylcarbamoyl group, N-
 (2-methyl-3-fluorophenyl)-N-methylcarbamoyl group, N-
 (2-trifluoromethylphenyl)-N-methylcarbamoyl group, N-
 10 (4-trifluoromethylphenyl)-N-methylcarbamoyl group, N-
 benzyl-N-phenylcarbamoyl group, N-benzyl-N-(2-fluoro-
 phenyl)carbamoyl group, N-benzyl-N-(3-fluorophenyl)-
 carbamoyl group, N-benzyl-N-(4-fluorophenyl)carbamoyl
 group, N-benzyl-N-(2-chlorophenyl)carbamoyl group, N-
 15 benzyl-N-(3-chlorophenyl)carbamoyl group, N-benzyl-N-
 (4-chlorophenyl)carbamoyl group, N-benzyl-N-(2-
 bromophenyl)carbamoyl group, N-benzyl-N-(3-
 bromophenyl)carbamoyl group, N-benzyl-N-(4-
 bromophenyl)carbamoyl group, N-benzyl-N-(2-iodophenyl)-
 20 carbamoyl group, N-benzyl-N-(3-iodophenyl)carbamoyl
 group, N-benzyl-N-(4-iodophenyl)carbamoyl group, N-
 benzyl-N-(2,3-difluorophenyl)carbamoyl group, N-benzyl-
 N-(3,4-difluorophenyl)carbamoyl group, N-benzyl-N-(3,5-
 difluorophenyl)carbamoyl group, N-benzyl-N-(2,4-
 25 difluorophenyl)carbamoyl group, N-benzyl-N-(2,6-
 difluorophenyl)carbamoyl group, N-benzyl-N-(2,3-
 dichlorophenyl)carbamoyl group, N-benzyl-N-(3,4-
 dichlorophenyl)carbamoyl group, N-benzyl-N-(3,5-

dichlorophenyl)carbamoyl group, N-benzyl-N-(2,4-
 dichlorophenyl)carbamoyl group, N-benzyl-N-(2,6-
 dichlorophenyl)carbamoyl group, N-benzyl-N-(3,4,5-
 trifluorophenyl)carbamoyl group, N-benzyl-N-(3,4,5-
 5 trichlorophenyl)carbamoyl group, N-benzyl-N-(2,4,6-
 trifluorophenyl)carbamoyl group, N-benzyl-N-(2,4,6-
 trichlorophenyl)carbamoyl group, N-benzyl-N-(2-
 methylphenyl)carbamoyl group, N-benzyl-N-(3-methyl-
 phenyl)carbamoyl group, N-benzyl-N-(4-methylphenyl)-
 10 carbamoyl group, N-benzyl-N-(2-methyl-3-chlorophenyl)-
 carbamoyl group, N-benzyl-N-(3-methyl-4-chlorophenyl)-
 carbamoyl group, N-benzyl-N-(2-chloro-4-methylphenyl)-
 carbamoyl group, N-benzyl-N-(2-methyl-3-fluorophenyl)-
 carbamoyl group, N-benzyl-N-(2-trifluoromethyl-
 15 phenyl)carbamoyl group, N-benzyl-N-(3-trifluoromethyl-
 phenyl)carbamoyl group, N-benzyl-N-(4-trifluoromethyl-
 phenyl)carbamoyl group, 2-pentafluoroethylphenyl-
 carbamoyl group, 3-pentafluoroethylphenylcarbamoyl
 group, 4-pentafluoroethylphenylcarbamoyl group, 2-
 20 isopropylphenylcarbamoyl group, 3-isopropylphenyl-
 carbamoyl group, 4-isopropylphenylcarbamoyl group, 2-
 tert-butylphenylcarbamoyl group, 3-tert-butylphenyl-
 carbamoyl group, 4-tert-butylphenylcarbamoyl group, 2-
 sec-butylphenylcarbamoyl group, 3-sec-butylphenyl-
 25 carbamoyl group, 4-sec-butylphenylcarbamoyl group, 2-n-
 heptafluoropropylphenylcarbamoyl group, 3-n-
 heptafluoropropylphenylcarbamoyl group, 4-n-
 heptafluoropropylphenylcarbamoyl group, 4-pentylphenyl-

carbamoyl group, 4-hexylphenylcarbamoyl group, 2,4-
 dimethylphenylcarbamoyl group, 2,4,6-trimethylphenyl-
 carbamoyl group, 3,4-dimethoxyphenylcarbamoyl group,
 3,4,5-trimethoxyphenylcarbamoyl group, 2-methoxyphenyl-
 5 carbamoyl group, 3-methoxyphenylcarbamoyl group, 4-
 methoxyphenylcarbamoyl group, 2-methoxy-3-chlorophenyl-
 carbamoyl group, 2-fluoro-3-methoxyphenylcarbamoyl
 group, 2-fluoro-4-methoxyphenylcarbamoyl group, 2,6-
 dimethoxyphenylcarbamoyl group, 2,3,4-trifluorophenyl-
 10 carbamoyl group, 3,4,5-trifluorophenylcarbamoyl group,
 2-trifluoromethoxyphenylcarbamoyl group, 3-trifluoro-
 methoxyphenylcarbamoyl group, 4-trifluoromethoxy-
 phenylcarbamoyl group, 2-pentafluoroethoxyphenyl-
 carbamoyl group, 3-pentafluoroethoxyphenylcarbamoyl
 15 group, 4-pentafluoroethoxyphenylcarbamoyl group, 2-
 isopropoxyphenylcarbamoyl group, 3-isopropoxyphenyl-
 carbamoyl group, 4-isopropoxyphenylcarbamoyl group, 2-
 tert-butoxyphenylcarbamoyl group, 3-tert-butoxyphenyl-
 carbamoyl group, 4-tert-butoxyphenylcarbamoyl group, 2-
 20 sec-butoxyphenylcarbamoyl group, 3-sec-butoxyphenyl-
 carbamoyl group, 4-sec-butoxyphenylcarbamoyl group, 2-
 n-heptafluoropropoxyphenylcarbamoyl group, 3-n-
 heptafluoropropoxyphenylcarbamoyl group, 4-n-
 heptafluoropropoxyphenylcarbamoyl group, 4-n-
 25 pentyloxyphenylcarbamoyl group, 4-n-hexyloxyphenyl-
 carbamoyl group or the like.

Examples of a naphthyloxy group (which may be
 substituted on the naphthalene ring by at least one Cl-

6 alkyl group as a substituent) include a naphthyloxy group (which may be substituted on the naphthalene ring by 1 to 3 C1-6 alkyl groups as a substituent), for example, a 1-naphthyloxy group, 2-naphthyloxy group, 2-methyl-1-naphthyloxy group, 3-methyl-1-naphthyloxy group, 4-methyl-1-naphthyloxy group, 5-methyl-1-naphthyloxy group, 6-methyl-1-naphthyloxy group, 7-methyl-1-naphthyloxy group, 8-methyl-1-naphthyloxy group, 1-methyl-2-naphthyloxy group, 5-methyl-2-naphthyloxy group, 4-ethyl-1-naphthyloxy group, 5-ethyl-1-naphthyloxy group, 6-ethyl-1-naphthyloxy group, 1-ethyl-2-naphthyloxy group, 5-ethyl-2-naphthyloxy group, 5-n-propyl-1-naphthyloxy group, 6-n-propyl-1-naphthyloxy group, 1-n-propyl-2-naphthyloxy group, 5-n-propyl-2-naphthyloxy group, 5-n-butyl-1-naphthyloxy group, 6-n-butyl-1-naphthyloxy group, 1-n-butyl-2-naphthyloxy group, 5-n-butyl-1-naphthyloxy group, 5-n-pentyl-1-naphthyloxy group, 6-n-pentyl-1-naphthyloxy group, 1-n-pentyl-2-naphthyloxy group, 5-n-pentyl-2-naphthyloxy group, 5-n-hexyl-1-naphthyloxy group, 6-n-hexyl-1-naphthyloxy group, 1-n-hexyl-2-naphthyloxy group, 5-n-hexyl-2-naphthyloxy group, 2,4-dimethyl-1-naphthyloxy group, 4,6,7-trimethyl-2-naphthyloxy group or the like.

Examples of a 2,3-dihydrobenzofuryloxy group (which may be substituted on the 2,3-dihydrobenzofuran ring by at least one selected from a group consisting of a C1-6 alkyl group and an oxo group) include a 2,3-

dihydrobenzofuryloxy group (which may be substituted on
 the 2,3- dihydrobenzofuran ring by 1 to 3 groups
 selected from a group consisting of a C1-6 alkyl group
 and an oxo group), for example, a 2,3-dihydrobenzo-
 5 furan-3-yloxy group, 2,3-dihydrobenzofuran-4-yloxy
 group, 2,3-dihydrobenzofuran-5-yloxy group, 2,3-
 dihydrobenzofuran-6-yloxy group, 2,3-dihydrobenzofuran-
 7-yloxy group, 2-oxo-2,3-dihydrobenzofuran-3-yloxy
 group, 2-oxo-2,3-dihydrobenzofuran-4-yloxy group, 2-
 10 oxo-2,3-dihydrobenzofuran-5-yloxy group, 2-oxo-2,3-
 dihydrobenzofuran-6-yloxy group, 2-oxo-2,3-
 dihydrobenzofuran-7-yloxy group, 3-oxo-2,3-
 dihydrobenzofuran-2-yloxy group, 3-oxo-2,3-
 dihydrobenzofuran-4-yloxy group, 3-oxo-2,3-
 15 dihydrobenzofuran-5-yloxy group, 3-oxo-2,3-
 dihydrobenzofuran-6-yloxy group, 3-oxo-2,3-
 dihydrobenzofuran-7-yloxy group, 2-methyl-2,3-
 dihydrobenzofuran-3-yloxy group, 2-methyl-2,3-
 dihydrobenzofuran-4-yloxy group, 2-methyl-2,3-
 20 dihydrobenzofuran-5-yloxy group, 2-methyl-2,3-
 dihydrobenzofuran-6-yloxy group, 2-methyl-2,3-
 dihydrobenzofuran-7-yloxy group, 2-ethyl-2,3-
 dihydrobenzofuran-3-yloxy group, 2-ethyl-2,3-
 dihydrobenzofuran-4-yloxy group, 2-ethyl-2,3-
 25 dihydrobenzofuran-5-yloxy group, 2-ethyl-2,3-
 dihydrobenzofuran-6-yloxy group, 2-ethyl-2,3-
 dihydrobenzofuran-7-yloxy group, 4-methyl-2,3-
 dihydrobenzofuran-3-yloxy group, 5-methyl-2,3-

- dihydrobenzofuran-4-yloxy group, 4-methyl-2,3-
 dihydrobenzofuran-5-yloxy group, 4-methyl-2,3-
 dihydrobenzofuran-6-yloxy group, 4-methyl-2,3-
 dihydrobenzofuran-7-yloxy group, 6-methyl-2,3-
 5 dihydrobenzofuran-3-yloxy group, 6-methyl-2,3-
 dihydrobenzofuran-4-yloxy group, 6-methyl-2,3-
 dihydrobenzofuran-5-yloxy group, 6-methyl-2,3-
 dihydrobenzofuran-7-yloxy group, 7-methyl-2,3-
 dihydrobenzofuran-3-yloxy group, 7-methyl-2,3-
 10 dihydrobenzofuran-4-yloxy group, 7-methyl-2,3-
 dihydrobenzofuran-5-yloxy group, 7-methyl-2,3-
 dihydrobenzofuran-6-yloxy group, 2-n-propyl-2,3-
 dihydrobenzofuran-5-yloxy group, 2-n-propyl-2,3-
 dihydrobenzofuran-6-yloxy group, 2-n-butyl-2,3-
 15 dihydrobenzofuran-5-yloxy group, 2-n-butyl-2,3-
 dihydrobenzofuran-6-yloxy group, 2-n-pentyl-2,3-
 dihydrobenzofuran-5-yloxy group, 2-n-pentyl-2,3-
 dihydrobenzofuran-6-yloxy group, 2-n-hexyl-2,3-
 dihydrobenzofuran-5-yloxy group, 2-n-hexyl-2,3-
 20 dihydrobenzofuran-6-yloxy group, 2,2-dimethyl-2,3-
 dihydrobenzofuran-5-yloxy group, 2,2,4-trimethyl-2,3-
 dihydrobenzofuran-5-yloxy group, 3-oxo-4-methyl-2,3-
 dihydrobenzofuran-5-yloxy group, 2,2-dimethyl-3-oxo-
 2,3-dihydrobenzofuran-5-yloxy group or the like.

- 25 Examples of a benzothiazolyloxy group (which
 may be substituted on the benzothiazole ring by at
 least one C1-6 alkyl group) include a benzothiazolyloxy
 group (which may be substituted on the benzothiazole

ring by 1 to 3 C1-6 alkyl groups), for example, a 2-benzothiazolyloxy group, 4-benzothiazolyloxy group, 5-benzothiazolyloxy group, 6-benzothiazolyloxy group, 7-benzothiazolyloxy group, 2-methyl-5-benzothiazolyloxy group, 4-methyl-5-benzothiazolyloxy group, 6-methyl-5-benzothiazolyloxy group, 7-methyl-5-benzothiazolyloxy group, 4-ethyl-2-benzothiazolyloxy group, 5-ethyl-2-benzothiazolyloxy group, 6-ethyl-4-benzothiazolyloxy group, 7-ethyl-6-benzothiazolyloxy group, 4-n-propyl-7-benzothiazolyloxy group, 5-n-propyl-2-benzothiazolyloxy group, 6-n-propyl-2-benzothiazolyloxy group, 7-n-propyl-5-benzothiazolyloxy group, 4-n-butyl-5-benzothiazolyloxy group, 5-n-butyl-2-benzothiazolyloxy group, 6-n-butyl-2-benzothiazolyloxy group, 7-n-butyl-4-benzothiazolyloxy group, 4-n-pentyl-6-benzothiazolyloxy group, 5-n-pentyl-7-benzothiazolyloxy group, 6-n-pentyl-2-benzothiazolyloxy group, 7-n-pentyl-2-benzothiazolyloxy group, 4-n-hexyl-2-benzothiazolyloxy group, 5-n-hexyl-2-benzothiazolyloxy group, 6-n-hexyl-2-benzothiazolyloxy group, 7-n-hexyl-2-benzothiazolyloxy group, 2,4-dimethyl-5-benzothiazolyloxy group, 2,4,6-trimethyl-5-benzothiazolyloxy group or the like.

Examples of a 1,2,3,4-tetrahydronaphthyloxy group (which may be substituted on the 1,2,3,4-tetrahydronaphthalene ring by at least one oxo group as a substituent) include a 1,2,3,4-tetrahydro-1-naphthyloxy group, 1,2,3,4-tetrahydro-2-naphthyloxy

group, 1,2,3,4-tetrahydro-6-naphthyloxy group, 1,2,3,4-tetrahydro-5-naphthyloxy group, 1,2,3,4-tetrahydro-1-oxo-5-naphthyloxy group, 1,2,3,4-tetrahydro-2-oxo-3-naphthyloxy group, 1,2,3,4-tetrahydro-1-oxo-6-naphthyloxy group, 1,2,3,4-tetrahydro-3-oxo-5-naphthyloxy group, 1,2,3,4-tetrahydro-4-oxo-6-naphthyloxy group, 1,2,3,4-tetrahydro-2-oxo-7-naphthyloxy group, 1,2,3,4-tetrahydro-1-oxo-8-naphthyloxy group or the like.

10 Examples of a 1,3-benzoxathiolanyloxy group (which may be substituted on the 1,3-benzoxathiolane ring by at least one oxo group as a substituent) include a 1,3-benzoxathiolane-4-yloxy group, 1,3-benzoxathiolane-5-yloxy group, 1,3-benzoxathiolane-6-yloxy group, 1,3-benzoxathiolane-7-yloxy group, 2-oxo-1,3-benzoxathiolane-5-yloxy group, 2-oxo-1,3-benzoxathiolane-6-yloxy group, 2-oxo-1,3-benzoxathiolane-7-yloxy group or the like.

20 Examples of an isoquinolyloxy group include an isoquinoline-1-yloxy group, isoquinoline-3-yloxy group, isoquinoline-4-yloxy group, isoquinoline-5-yloxy group, isoquinoline-6-yloxy group, isoquinoline-7-yloxy group, isoquinoline-8-yloxy group or the like.

25 Examples of a pyridyloxy group include 2-pyridyloxy group, 3-pyridyloxy group or 4-pyridyloxy group.

 Examples of a quinolyloxy group (which may be substituted on the quinoline ring by at least one C1-6

alkyl group as a substituent) include a quinolyloxy group (which may be substituted on the quinoline ring by 1 to 3 C1-6 alkyl groups as a substituent), for example, a 2-quinolyloxy group, 3-quinolyloxy group, 4-quinolyloxy group, 5-quinolyloxy group, 6-quinolyloxy group, 7-quinolyloxy group, 8-quinolyloxy group, 3-methyl-2-quinolyloxy group, 4-methyl-2-quinolyloxy group, 5-methyl-2-quinolyloxy group, 6-methyl-2-quinolyloxy group, 7-methyl-2-quinolyloxy group, 2-methyl-3-quinolyloxy group, 4-methyl-3-quinolyloxy group, 5-methyl-3-quinolyloxy group, 6-methyl-3-quinolyloxy group, 7-methyl-3-quinolyloxy group, 8-methyl-3-quinolyloxy group, 2-methyl-4-quinolyloxy group, 3-methyl-4-quinolyloxy group, 5-methyl-4-quinolyloxy group, 6-methyl-4-quinolyloxy group, 7-methyl-4-quinolyloxy group, 8-methyl-4-quinolyloxy group, 2-methyl-5-quinolyloxy group, 4-methyl-5-quinolyloxy group, 3-methyl-5-quinolyloxy group, 6-methyl-5-quinolyloxy group, 7-methyl-5-quinolyloxy group, 8-methyl-5-quinolyloxy group, 2-methyl-6-quinolyloxy group, 4-methyl-6-quinolyloxy group, 5-methyl-6-quinolyloxy group, 3-methyl-6-quinolyloxy group, 7-methyl-6-quinolyloxy group, 8-methyl-6-quinolyloxy group, 2-methyl-7-quinolyloxy group, 4-methyl-7-quinolyloxy group, 5-methyl-7-quinolyloxy group, 6-methyl-7-quinolyloxy group, 3-methyl-7-quinolyloxy group, 8-methyl-7-quinolyloxy group, 2-methyl-8-quinolyloxy group, 4-methyl-8-quinolyloxy

group, 5-methyl-8-quinolyloxy group, 6-methyl-8-quinolyloxy group, 7-methyl-8-quinolyloxy group, 3-methyl-8-quinolyloxy group, 2,5-dimethyl-8-quinolyloxy group, 6,7-dimethyl-4-quinolyloxy group, 4,6,7-trimethyl-5-quinolyloxy group, compounds substituted by an ethyl group, n-propyl group, n-butyl group, n-pentyl group or n-hexyl group in place of the methyl group of these compounds or the like.

Examples of a dibenzofuryloxy group include a 1-dibenzofuryloxy group, 2-dibenzofuryloxy group, 3-dibenzofuryloxy group, 4-dibenzofuryloxy group, 5-dibenzofuryloxy group, 6-dibenzofuryloxy group, 7-dibenzofuryloxy group, 8-dibenzofuryloxy group or 9-dibenzofuryloxy group.

Examples of a 2H-chromenyloxy group (which may be substituted on the 2H-chromene ring by at least one oxo group as a substituent) include a 4-(2H)chromenyloxy group, 5-(2H)chromenyloxy group, 6-(2H)chromenyloxy group, 7-(2H)chromenyloxy group, 8-(2H)chromenyloxy group, 2-oxo-4-(2H)chromenyloxy group, 2-oxo-5-(2H)chromenyloxy group, 2-oxo-6-(2H)chromenyloxy group, 2-oxo-7-(2H)chromenyloxy group, 2-oxo-8-(2H)chromenyloxy group or the like.

Examples of a benzisoxazolyloxy group include a 3-benzisoxazolyloxy group, 4-benzisoxazolyloxy group, 5-benzisoxazolyloxy group, 6-benzisoxazolyloxy group, 7-benzisoxazolyloxy group or the like.

Examples of a quinoxalyloxy group include a

2-quinoxalyloxy group, 5-quinoxalyloxy group, 6-quinoxalyloxy group or the like.

Examples of a 2,3-dihydro-1H-indenyloxy group (which may be substituted on the 2,3-dihydro-1H-indene ring by at least one oxo group as a substituent) include a 2,3-dihydro-1H-inden-1-yloxy group, 2,3-dihydro-1H-inden-2-yloxy group, 2,3-dihydro-1H-inden-3-yloxy group, 2,3-dihydro-1H-inden-4-yloxy group, 2,3-dihydro-1H-inden-5-yloxy group, 2,3-dihydro-1H-inden-6-yloxy group, 2,3-dihydro-1H-inden-7-yloxy group, 2,3-dihydro-1-oxo-1H-inden-2-yloxy group, 2,3-dihydro-1-oxo-1H-inden-3-yloxy group, 2,3-dihydro-1-oxo-1H-inden-4-yloxy group, 2,3-dihydro-1-oxo-1H-inden-5-yloxy group, 2,3-dihydro-1-oxo-1H-inden-6-yloxy group, 2,3-dihydro-1-oxo-1H-inden-7-yloxy group or the like.

Examples of a benzofurazanyloxy group include, for example, a 4-benzofurazanyloxy group, 5-benzofurazanyloxy group or the like.

A phenyl C2-6 alkenyl group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group and a halogen-substituted or unsubstituted C1-6 alkoxy group) is a group containing a phenyl group unsubstituted or substituted by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group and a halogen-substituted or unsubstituted C1-6

alkoxy group, and an alkenyl group containing 2 to 6 carbon atoms and having at least one double bond.

These groups may be either in trans or cis form and both forms are included as a matter of course. These

5 phenyl C2-6 alkenyl groups include, for example, a 3-(2-fluorophenyl)-2-propenyl group, 3-(3-fluorophenyl)-2-propenyl group, 3-(4-fluorophenyl)-2-propenyl group, 3-(2,3-difluorophenyl)-2-propenyl group, 3-(2,3,4,5,6-pentafluorophenyl)-2-propenyl group, 3-(2,4-

10 difluorophenyl)-2-propenyl group, 3-(3,4-difluorophenyl)-2-propenyl group, 3-(3,5-difluorophenyl)-2-propenyl group, 3-(2-chlorophenyl)-2-propenyl group, 3-(3-chlorophenyl)-2-propenyl group, 3-(4-

15 chlorophenyl)-2-propenyl group, 3-(2,3-dichlorophenyl)-2-propenyl group, 3-(2,4-dichlorophenyl)-2-propenyl group, 3-(3,4-dichlorophenyl)-2-propenyl group, 3-(3,5-dichlorophenyl)-2-propenyl group, 3-(2-bromophenyl)-2-propenyl group, 3-(3-bromophenyl)-2-propenyl group, 3-

(4-bromophenyl)-2-propenyl group, 3-(2-methylphenyl)-2-

20 propenyl group, 3-(3-methylphenyl)-2-propenyl group, 3-(4-methylphenyl)-2-propenyl group, 3-(2-trifluoromethylphenyl)-2-propenyl group, 3-(2-fluoro-4-bromophenyl)-2-propenyl group, 3-(4-chloro-3-

fluorophenyl)-2-propenyl group, 3-(2,3,4-trichloro-

25 phenyl)-2-propenyl group, 3-(2,4,6-trichlorophenyl)-2-propenyl group, 3-(4-isopropylphenyl)-2-propenyl group, 3-(4-n-butylphenyl)-2-propenyl group, 3-(2,4-dimethylphenyl)-2-propenyl group, 3-(2,3-dimethylphenyl)-2-

propenyl group, 3-(2,6-dimethylphenyl)-2-propenyl
 group, 3-(3,5-dimethylphenyl)-2-propenyl group, 3-(2,5-
 dimethylphenyl)-2-propenyl group, 3-(2,4,6-trimethyl-
 phenyl)-2-propenyl group, 3-(3,5-ditrifluoromethyl-
 5 phenyl)-2-propenyl group, 3-(4-n-butoxyphenyl)-2-
 propenyl group, 3-(2,4-dimethoxyphenyl)-2-propenyl
 group, 3-(2,3-dimethoxyphenyl)-2-propenyl group, 3-
 (2,6-dimethoxyphenyl)-2-propenyl group, 3-(3,5-
 dimethoxyphenyl)-2-propenyl group, 3-(2,5-dimethoxy-
 10 phenyl)-2-propenyl group, 3-(3,5-ditrifluoromethoxy-
 phenyl)-2-propenyl group, 3-(3-chloro-4-methoxyphenyl)-
 2-propenyl group, 3-(2-chloro-4-trifluoromethoxy-
 phenyl)-2-propenyl group, 3-(3-methyl-4-fluorophenyl)-
 2-propenyl group, 3-(4-bromo-3-trifluoromethylphenyl)-
 15 2-propenyl group, 3-(3-trifluoromethylphenyl)-2-
 propenyl group, 3-(4-trifluoromethylphenyl)-2-propenyl
 group, 3-(2-trifluoromethoxyphenyl)-2-propenyl group,
 3-(3-trifluoromethoxyphenyl)-2-propenyl group, 3-(4-
 trifluoromethoxyphenyl)-2-propenyl group, 3-(2-
 20 methoxyphenyl)-2-propenyl group, 3-(3-methoxyphenyl)-2-
 propenyl group, 3-(4-methoxyphenyl)-2-propenyl group,
 3-(3,4-dimethoxyphenyl)-2-propenyl group, 4-(4-
 chlorophenyl)-2-butenyl group, 4-(4-chlorophenyl)-3-
 butenyl group, 5-(4-chlorophenyl)-2-pentenyl group, 5-
 25 (4-chlorophenyl)-4-pentenyl group, 5-(4-chlorophenyl)-
 3-pentenyl group, 6-(4-chlorophenyl)-5-hexenyl group,
 6-(4-chlorophenyl)-4-hexenyl group, 6-(4-chlorophenyl)-
 3-hexenyl group, 6-(4-chlorophenyl)-3-hexenyl group or

the like.

Examples of a C1-6 alkyl group (the alkyl group may be substituted by a morpholino group, benzoyl group and carbamoyl group which may have a C1-6 alkyl group as a substituent or cyano group) include a methyl group, ethyl group, n-propyl group, n-butyl group, n-pentyl group, n-hexyl group, morpholinomethyl group, 2-morpholinoethyl group, 3-morpholinopropyl group, 4-morpholinobutyl group, 5-morpholinopentyl group, 6-morpholinohexyl group, benzoylmethyl group, 2-benzoylethyl group, 1-benzoylethyl group, 3-benzoylpropyl group, 4-benzoylbutyl group, 5-benzoylpentyl group, 6-benzoylhexyl group, carbamoylmethyl group, 2-carbamoylethyl group, 1-carbamoylethyl group, 3-carbamoylpropyl group, 4-carbamoylbutyl, 5-carbamoylpentyl group, 6-carbamoylhexyl group, 2-methyl-3-carbamoylpropyl group, 1,1-dimethyl-2-carbamoylethyl group, methylcarbamoylmethyl group, 2-methylcarbamoylethyl group, 3-methylcarbamoylpropyl group, 4-methylcarbamoylbutyl group, 5-methylcarbamoylpentyl group, 6-methylcarbamoylhexyl group, dimethylcarbamoylmethyl group, 2-dimethylcarbamoylethyl group, 3-dimethylcarbamoylpropyl group, 4-dimethylcarbamoylbutyl group, 5-dimethylcarbamoylpentyl group, 6-dimethylcarbamoylhexyl group, diethylcarbamoylmethyl group, 2-diethylcarbamoylethyl group, 3-diethylcarbamoylpropyl group, 4-diethylcarbamoylbutyl group, 5-diethylcarbamoylpentyl group, 6-diethylcarbamoylhexyl group,

n-propylcarbamoylethyl group, 2-n-propylcarbamoylethyl group, 3-n-propylcarbamoylethyl group, 4-n-propylcarbamoylethyl group, 5-n-propylcarbamoylethyl group, 6-n-propylcarbamoylethyl group, n-butylcarbamoylethyl group, 2-n-butylcarbamoylethyl group, 3-n-butylcarbamoylethyl group, 4-n-butylcarbamoylethyl group, 5-n-butylcarbamoylethyl group, 6-n-butylcarbamoylethyl group, n-hexylcarbamoylethyl group, 2-n-hexylcarbamoylethyl group, 3-n-hexylcarbamoylethyl group, 4-n-hexylcarbamoylethyl group, 5-n-hexylcarbamoylethyl group, 6-n-hexylcarbamoylethyl group, cyanomethyl group, 2-cyanoethyl group, 1-cyanoethyl group, 3-cyanopropyl group, 4-cyanobutyl group, 5-cyanopentyl group, 6-cyanoethyl group or the like.

Examples of a phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom, cyano group, phenyl group, nitro group, C1-6 alkylthio group, C1-6 alkylsulfonyl group, phenyl C1-6 alkoxy group, C2-6 alkanoyloxy group, halogen-substituted or unsubstituted C1-6 alkyl group, halogen-substituted or unsubstituted C1-6 alkoxy group and 1,2,3-thiadiazolyl group) include a phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a halogen atom, a cyano group, phenyl group, nitro group, C1-6 alkylthio group, C1-6 alkylsulfonyl group, phenyl C1-6 alkoxy group, C2-6

alkanoyloxy group, halogen-substituted or unsubstituted
 C1-6 alkyl group, halogen-substituted or unsubstituted
 C1-6 alkoxy group and 1,2,3-thiadiazolyl group), for
 example, a benzyl group, 1-phenethyl group, 2-phenethyl
 5 group, 3-phenylpropyl group, 2-phenylpropyl group, 4-
 phenylbutyl group, 5-phenylpentyl group, 4-phenylpentyl
 group, 6-phenylhexyl group, 4-biphenylylmethyl group,
 2-(4-biphenylyl)ethyl group, 3-(4-biphenylyl)propyl
 group, 2-(4-biphenylyl)propyl group, 4-(4-biphenylyl)-
 10 butyl group, 5-(4-biphenylyl)pentyl group, 4-(4-
 biphenylyl)pentyl group, 6-(4-biphenylyl)hexyl group,
 2-fluorobenzyl group, 3-fluorobenzyl group, 4-
 fluorobenzyl group, 2-chlorobenzyl group, 3-chloro-
 benzyl group, 4-chlorobenzyl group, 2-bromobenzyl
 15 group, 3-bromobenzyl group, 4-bromobenzyl group, 2-
 iodobenzyl group, 3-iodobenzyl group, 4-iodobenzyl
 group, 2,3-difluorobenzyl group, 3,4-difluorobenzyl
 group, 3,5-difluorobenzyl group, 2,4-difluorobenzyl
 group, 2,6-difluorobenzyl group, 2,4,6-trifluorobenzyl
 20 group, 3,4,5-trifluorobenzyl group, 2,3-dichlorobenzyl
 group, 3,4-dichlorobenzyl group, 3,5-dichlorobenzyl
 group, 2,4-dichlorobenzyl group, 2,6-dichlorobenzyl
 group, 2,4,6-trichlorobenzyl group, 3,4,5-trichloro-
 benzyl group, 2-difluoromethylbenzyl group, 3-
 25 difluoromethylbenzyl group, 4-difluoromethylbenzyl
 group, 4-chloro-3-difluoromethylbenzyl group, 3-chloro-
 4-difluoromethylbenzyl group, 3-bromo-4-
 difluoromethylbenzyl group, 3,5-difluoro-4-

difluoromethylbenzyl group, 2-fluoro-4-bromobenzyl
 group, 4-chloro-3-fluorobenzyl group, 2,3,4-
 trichlorobenzyl group, 4-isopropylbenzyl group, 4-n-
 butylbenzyl group, 4-methylbenzyl group, 2-methylbenzyl
 5 group, 3-methylbenzyl group, 2,4-dimethylbenzyl group,
 2,3-dimethylbenzyl group, 2,6-dimethylbenzyl group,
 3,5-dimethylbenzyl group, 2,5-dimethylbenzyl group,
 2,4,6-trimethylbenzyl group, 3,5-
 ditrifluoromethylbenzyl group, 4-isopropoxybenzyl
 10 group, 4-n-butoxybenzyl group, 4-methoxybenzyl group,
 2-methoxybenzyl group, 3-methoxybenzyl group, 2,4-
 dimethoxybenzyl group, 2,3-dimethoxybenzyl group, 2,6-
 dimethoxybenzyl group, 3,5-dimethoxybenzyl group, 2,5-
 dimethoxybenzyl group, 2,4,6-trimethoxybenzyl group,
 15 3,5-ditrifluoromethoxybenzyl group, 2,3,4,5,6-
 pentafluorobenzyl group, 2-isopropoxybenzyl group, 3-
 chloro-4-methoxybenzyl group, 2-chloro-4-trifluoro-
 methoxybenzyl group, 3-methyl-4-fluorobenzyl group, 4-
 bromo-3-trifluoromethylbenzyl group, 2-trifluoromethyl-
 20 benzyl group, 3-trifluoromethylbenzyl group, 4-
 trifluoromethylbenzyl group, 4-fluoro-3-trifluoro-
 methylbenzyl group, 3-fluoro-4-trifluoromethylbenzyl
 group, 4-chloro-3-pentafluoroethylbenzyl group, 3-
 chloro-4-pentafluoroethylbenzyl group, 2-
 25 pentafluoroethylbenzyl group, 3-pentafluoroethylbenzyl
 group, 4-pentafluoroethylbenzyl group, 2-
 trifluoromethoxybenzyl group, 3-trifluoromethoxybenzyl
 group, 4-trifluoromethoxybenzyl group, 4-fluoro-3-

trifluoromethoxybenzyl group, 3-fluoro-4-trifluoromethoxybenzyl group, 2-pentafluoroethoxybenzyl group, 3-pentafluoroethoxybenzyl group, 4-pentafluoroethoxybenzyl group, 3-chloro-4-trifluoromethoxybenzyl group, 3-chloro-4-pentafluoroethoxybenzyl group, 2-(2-trifluoromethylphenyl)ethyl group, 2-(3-trifluoromethylphenyl)ethyl group, 2-(4-trifluoromethylphenyl)ethyl group, 2-(2-trifluoromethoxyphenyl)ethyl group, 2-(3-trifluoromethoxyphenyl)ethyl group, 2-(4-trifluoromethoxyphenyl)ethyl group, 2-(2-pentafluoroethoxyphenyl)ethyl group, 2-(3-pentafluoroethoxyphenyl)ethyl group, 2-(4-pentafluoroethoxyphenyl)ethyl group, 3-(2-trifluoromethylphenyl)propyl group, 3-(3-trifluoromethylphenyl)propyl group, 3-(4-trifluoromethylphenyl)propyl group, 3-(2-trifluoromethoxyphenyl)propyl group, 3-(3-trifluoromethoxyphenyl)propyl group, 3-(4-trifluoromethoxyphenyl)propyl group, 3-(3-pentafluoroethoxyphenyl)propyl group, 3-(4-pentafluoroethoxyphenyl)propyl group, 4-(3-pentafluoroethoxyphenyl)butyl group, 5-(4-trifluoromethylphenyl)pentyl group, 4-(4-trifluoromethylphenyl)pentyl group, 4-(4-trifluoromethoxyphenyl)pentyl group, 6-(3-trifluoromethylphenyl)hexyl group, 6-(4-trifluoromethylphenyl)hexyl group, 6-(4-trifluoromethoxyphenyl)hexyl group, 2-methylthiobenzyl group, 3-methylthiobenzyl group, 4-methylthiobenzyl group, 2,3-dimethylthiobenzyl group, 2,4,6-trimethylthiobenzyl group, 2-(2-methylthiophenyl)ethyl group, 2-(3-methylthiophenyl)-

ethyl group, 2-(4-methylthiophenyl)ethyl group, 3-(4-methylthiophenyl)propyl group, 4-(4-methylthiophenyl)-butyl group, 5-(4-methylthiophenyl)pentyl group, 6-(4-methylthiophenyl)hexyl group, 2-benzyloxybenzyl group,

5 3-benzyloxybenzyl group, 4-benzyloxybenzyl group, 2-(2-benzyloxyphenyl)ethyl group, 2-(3-benzyloxyphenyl)ethyl group, 2-(4-benzyloxyphenyl)ethyl group, 3-(4-benzyloxyphenyl)propyl group, 4-(4-benzyloxyphenyl)-butyl group, 5-(4-benzyloxyphenyl)pentyl group, 6-(4-

10 benzyloxyphenyl)hexyl group, 2-(2-phenylethoxy)benzyl group, 3-(2-phenylethoxy)benzyl group, 4-(2-phenylethoxy)benzyl group, 2-(2-(2-phenylethoxy)-phenyl)ethyl group, 2-(3-(2-phenylethoxy)phenyl)ethyl group, 2-(4-(2-phenylethoxy)phenyl)ethyl group, 3-(4-

15 (2-phenylethoxy)phenyl)propyl group, 4-(4-(2-phenylethoxy)phenyl)butyl group, 5-(4-(2-phenylethoxy)-phenyl)pentyl group, 6-(4-(2-phenylethoxy)phenyl)hexyl group, 2-(3-phenylpropoxy)benzyl group, 3-(3-phenylpropoxy)benzyl group, 4-(3-phenylpropoxy)benzyl group,

20 2-(4-phenylbutoxy)benzyl group, 3-(4-phenylbutoxy)-benzyl group, 4-(4-phenylbutoxy)benzyl group, 2-acetyloxybenzyl group, 3-acetyloxybenzyl group, 4-acetyloxybenzyl group, 2-(2-acetyloxyphenyl)ethyl group, 2-(3-acetyloxyphenyl)ethyl group, 2-(4-

25 acetyloxyphenyl)ethyl group, 3-(4-acetyloxyphenyl)-propyl group, 4-(4-acetyloxyphenyl)butyl group, 5-(4-acetyloxyphenyl)pentyl group, 6-(4-acetyloxyphenyl)-hexyl group, 2-methanesulfonylbenzyl group, 3-

methanesulfonylbenzyl group, 4-methanesulfonylbenzyl group, 3,4-dimethanesulfonylbenzyl group, 3,4,5-trimethanesulfonylbenzyl group, 2-(2-methanesulfonylphenyl)ethyl group, 2-(3-methanesulfonylphenyl)ethyl group, 2-(4-methanesulfonylphenyl)ethyl group, 3-(4-methanesulfonylphenyl)propyl group, 4-(4-methanesulfonylphenyl)butyl group, 5-(4-methanesulfonylphenyl)pentyl group, 6-(4-methanesulfonylphenyl)hexyl group, 2-cyanobenzyl group, 3-cyanobenzyl group, 4-cyanobenzyl group, 2,4-dicyanobenzyl group, 3,4,5-tricyanobenzyl group, 2-(2-cyanophenyl)ethyl group, 2-(3-cyanophenyl)ethyl group, 2-(4-cyanophenyl)ethyl group, 3-(4-cyanophenyl)propyl group, 4-(4-cyanophenyl)butyl group, 5-(4-cyanophenyl)pentyl group, 6-(4-cyanophenyl)hexyl group, 2-nitrobenzyl group, 3-nitrobenzyl group, 4-nitrobenzyl group, 2,6-dinitrobenzyl group, 3,4,5-trinitrobenzyl group, 2-(2-nitrophenyl)ethyl group, 2-(3-nitrophenyl)ethyl group, 2-(4-nitrophenyl)ethyl group, 3-(4-nitrophenyl)propyl group, 4-(4-nitrophenyl)butyl group, 5-(4-nitrophenyl)pentyl group, 6-(4-nitrophenyl)hexyl group, 2-(1,2,3-thiadiazol-4-yl)benzyl group, 3-(1,2,3-thiadiazol-4-yl)benzyl group, 4-(1,2,3-thiadiazol-4-yl)benzyl group or the like.

Examples of a C2-6 alkenyl group includes a vinyl group, 2-propenyl group, 3-butenyl group, 2-butenyl group, 4-pentenyl group, 3-pentenyl group, 5-hexenyl group, 4-hexenyl group, 3-hexenyl group or the

like.

A phenyl group (which may be substituted on the phenyl ring with at least one group selected from a group consisting of a halogen atom, cyano group, 5 halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group), include a phenyl group unsubstituted or substituted by 1 to 5, preferably 1 to 3 substituents selected from a group consisting of a halogen atom, 10 cyano group, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group, as defined above, examples of which include a phenyl group, 2-fluorophenyl group, 3-fluorophenyl group, 4-fluorophenyl group, 2-chloro- 15 phenyl group, 3-chlorophenyl group, 4-chlorophenyl group, 2-bromophenyl group, 3-bromophenyl group, 4-bromophenyl group, 2-iodophenyl group, 3-iodophenyl group, 4-iodophenyl group, 2,3-difluorophenyl group, 3,4-difluorophenyl group, 3,5-difluorophenyl group, 20 2,4-difluorophenyl group, 2,3,4,5,6-pentafluorophenyl group, 2,6-difluorophenyl group, 2,3-dichlorophenyl group, 3,4-dichlorophenyl group, 3,5-dichlorophenyl group, 2,4-dichlorophenyl group, 2,6-dichlorophenyl group, 3,4,5-trifluorophenyl group, 3,4,5-trichloro- 25 phenyl group, 2,4,6-trifluorophenyl group, 2,4,6-trichlorophenyl group, 2-methylphenyl group, 3-methylphenyl group, 4-methylphenyl group, 2-methyl-3-chlorophenyl group, 3-methyl-4-chlorophenyl group, 2-

chloro-4-methylphenyl group, 2-methyl-3-fluorophenyl group, 2-trifluoromethylphenyl group, 3-trifluoromethylphenyl group, 4-trifluoromethylphenyl group, 2-pentafluoroethylphenyl group, 3-pentafluoroethylphenyl group, 4-pentafluoroethylphenyl group, 2-isopropylphenyl group, 3-isopropylphenyl group, 4-isopropylphenyl group, 2-tert-butylphenyl group, 3-tert-butylphenyl group, 4-tert-butylphenyl group, 2-sec-butylphenyl group, 3-sec-butylphenyl group, 4-sec-butylphenyl group, 2-n-heptafluoropropylphenyl group, 3-n-heptafluoropropylphenyl group, 4-n-heptafluoropropylphenyl group, 4-pentylphenyl group, 4-hexylphenyl group, 2-methoxyphenyl group, 3-methoxyphenyl group, 4-methoxyphenyl group, 3-chloro-2-methoxyphenyl group, 2-fluoro-3-methoxyphenyl group, 2-fluoro-4-methoxyphenyl group, 2,6-dimethoxyphenyl group, 2,3,4-trifluorophenyl group, 2-fluoro-4-bromophenyl group, 4-chloro-3-fluorophenyl group, 2,3,4-trichlorophenyl group, 4-n-butylphenyl group, 2,4-dimethylphenyl group, 2,3-dimethylphenyl group, 2,6-dimethylphenyl group, 3,5-dimethylphenyl group, 2,5-dimethylphenyl group, 2,4,6-trimethylphenyl group, 2,4,6-trimethoxyphenyl group, 3,5-ditrifluoromethylphenyl group, 4-n-butoxyphenyl group, 2,4-dimethoxyphenyl group, 2,3-dimethoxyphenyl group, 3,5-dimethoxyphenyl group, 2,5-dimethoxyphenyl group, 3,5-ditrifluoromethoxyphenyl group, 3-chloro-4-methoxyphenyl group, 2-chloro-4-trifluoromethoxyphenyl group, 3-methyl-4-fluorophenyl group, 4-bromo-3-

- trifluoromethylphenyl group, 2-cyanophenyl group, 3-cyanophenyl group, 4-cyanophenyl group, 2-trifluoromethoxyphenyl group, 3-trifluoromethoxyphenyl group, 4-trifluoromethoxyphenyl group, 3-fluoro-2-
- 5 trifluoromethoxyphenyl group, 2-fluoro-3-trifluoromethoxyphenyl group, 3-fluoro-4-trifluoromethoxyphenyl group, 3-chloro-2-trifluoromethoxyphenyl group, 2-chloro-3-trifluoromethoxyphenyl group, 3-chloro-4-trifluoro-
- 10 methoxyphenyl group, 2-pentafluoroethoxyphenyl group, 3-pentafluoroethoxyphenyl group, 4-pentafluoroethoxyphenyl group, 3-chloro-2-pentafluoroethoxyphenyl group, 2-chloro-3-pentafluoroethoxyphenyl group, 3-chloro-4-pentafluoroethoxyphenyl group, 2-isopropoxyphenyl
- 15 group, 3-isopropoxyphenyl group, 4-isopropoxyphenyl group, 2-tert-butoxyphenyl group, 3-tert-butoxyphenyl group, 4-tert-butoxyphenyl group, 2-sec-butoxyphenyl group, 3-sec-butoxyphenyl group, 4-sec-butoxyphenyl group, 2-n-heptafluoropropoxyphenyl group, 3-n-
- 20 heptafluoropropoxyphenyl group, 4-n-heptafluoropropoxyphenyl group, 4-n-pentoxoxyphenyl group, 4-n-hexyloxyphenyl group or the like.

A phenyl C2-6 alkanoyl group (which may be substituted on the phenyl ring by at least one group

25 selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group) includes a phenyl C2-6 alkanoyl group (which may

be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group), for example, a phenylacetyl group, 3-phenylpropionyl group, 4-phenylbutyryl group, 5-phenylpentanoyl group, 6-phenylhexanoyl group, 4-fluorophenylacetyl group, 3-(4-fluorophenyl)propionyl group, 4-(4-fluorophenyl)butyryl group, 5-(4-fluorophenyl)pentanoyl group, 6-(4-fluorophenyl)hexanoyl group, 2-chlorophenylacetyl group, 2,3,4,5,6-pentafluorophenylacetyl group, 3-(2-chlorophenyl)propionyl group, 4-(2-chlorophenyl)butyryl group, 5-(2-chlorophenyl)pentanoyl group, 6-(2-chlorophenyl)hexanoyl group, 3-chlorophenylacetyl group, 3-(3-chlorophenyl)propionyl group, 4-(3-chlorophenyl)butyryl group, 5-(3-chlorophenyl)pentanoyl group, 6-(3-chlorophenyl)hexanoyl group, 4-chlorophenylacetyl group, 3-(4-chlorophenyl)propionyl group, 4-(4-chlorophenyl)butyryl group, 5-(4-chlorophenyl)pentanoyl group, 6-(4-chlorophenyl)hexanoyl group, 3,4-dichlorophenylacetyl group, 3-(3,4-dichlorophenyl)propionyl group, 4-(3,4-dichlorophenyl)butyryl group, 5-(3,4-dichlorophenyl)pentanoyl group, 6-(3,4-dichlorophenyl)hexanoyl group, 2-methylphenylacetyl group, 3-methylphenylacetyl group, 4-methylphenylacetyl group, (2,4,6-trimethylphenyl)acetyl group, (2,6-dimethoxyphenyl)acetyl group, (2,4,5-trimethoxyphenyl)acetyl group,

(3,5-ditrifluoromethylphenyl)acetyl group, (3,5-ditrifluoromethoxyphenyl)acetyl group, 2-trifluoromethylphenylacetyl group, 3-trifluoromethylphenylacetyl group, 4-trifluoromethylphenylacetyl group, 2-phenyl-

5 propionyl group, 3-(2-methylphenyl)propionyl group, 3-(3-methylphenyl)propionyl group, 3-(4-methylphenyl)-propionyl group, 3-(2-trifluoromethylphenyl)propionyl group, 3-(3-trifluoromethylphenyl)propionyl group, 3-(4-trifluoromethylphenyl)propionyl group, 3-(3,5-

10 dimethylphenyl)propionyl group, 4-(4-trifluoromethylphenyl)butyryl group, 5-(4-trifluoromethylphenyl)-pentanoyl group, 6-(4-trifluoromethylphenyl)hexanoyl group, 4-(4-pentafluoroethylphenyl)butyryl group, 5-(4-pentafluoroethylphenyl)pentanoyl group, 6-(4-

15 pentafluoroethylphenyl)hexanoyl group, 2-methoxyphenylacetyl group, 3-methoxyphenylacetyl group, 4-methoxyphenylacetyl group, 2-trifluoromethoxyphenylacetyl group, 3-trifluoromethoxyphenylacetyl group, 4-trifluoromethoxyphenylacetyl group, 3-(2-

20 methoxyphenyl)propionyl group, 3-(3-methoxyphenyl)-propionyl group, 3-(4-methoxyphenyl)propionyl group, 3-(2-trifluoromethoxyphenyl)propionyl group, 3-(3-trifluoromethoxyphenyl)propionyl group, 3-(4-trifluoromethoxyphenyl)propionyl group, 3-(3,5-

25 dimethoxyphenyl)propionyl group, 4-(4-trifluoromethoxyphenyl)butyryl group, 5-(4-trifluoromethoxyphenyl)-pentanoyl group, 6-(4-trifluoromethoxyphenyl)hexanoyl group, 4-(4-trifluoromethoxyphenyl)butyryl group, 5-(4-

pentafluoroethoxyphenyl)pentanoyl group, 6-(4-pentafluoroethoxyphenyl)hexanoyl group or the like.

A C1-20 alkoxy carbonyl group (which may be substituted on the alkoxy group by at least one group
 5 selected from a group consisting of a halogen atom, amino group which may have a C1-6 alkyl group as a substituent and C1-6 alkoxy group substituted by the C1-6 alkoxy group) is a group containing an alkoxy group having 1 to 20 carbon atoms which may have 1 to 7
 10 groups selected from a group consisting of a halogen atom, amino group which may have the C1-6 alkyl group and C1-6 alkoxy group substituted by the C1-6 alkoxy group as a substituent and a carbonyl group, examples of which include a methoxycarbonyl group, ethoxy-
 15 carbonyl group, n-propoxycarbonyl group, n-butoxycarbonyl group, n-pentyloxycarbonyl group, n-hexyloxycarbonyl group, n-heptyloxycarbonyl group, n-octyloxycarbonyl group, n-nonyloxycarbonyl group, n-decyloxycarbonyl group, n-undecyloxycarbonyl group, n-
 20 dodecyloxycarbonyl group, n-tridecyloxycarbonyl group, n-tetradecyloxycarbonyl group, n-pentadecyloxycarbonyl group, n-hexadecyloxycarbonyl group, n-heptadecyloxycarbonyl group, n-octadecyloxycarbonyl group, n-nonadecyloxycarbonyl group, n-icosyloxycarbonyl group,
 25 chloromethoxycarbonyl group, trichloromethoxycarbonyl group, 2-bromoethoxyoxycarbonyl group, 2,2-bromoethoxycarbonyl group, 3-fluoropropoxycarbonyl group, 4-iodobutoxycarbonyl group, 5,5,5,4,4,3,3-

heptafluoropentyloxy carbonyl group, 4,4,4,3,3,2,2-
 heptafluorobutoxy carbonyl group, 5-chloropentyloxy-
 carbonyl group, 6-bromohexyloxy carbonyl group, 7-
 chloroheptyloxy carbonyl group, 8-iodooctyloxy carbonyl
 5 group, 9-chlorononyloxy carbonyl group, 10-
 bromodecyloxy carbonyl group, 11-fluoroundecyloxy-
 carbonyl group, 12-iodododecyloxy carbonyl group, 12-
 chlorododecyloxy carbonyl group, 13-fluorotridecyloxy-
 carbonyl group, 14-bromotetradecyloxy carbonyl group,
 10 15-iodopentadecyloxy carbonyl group, 16-
 chlorohexadecyloxy carbonyl group, 17-bromohepta-
 decyloxy carbonyl group, 18-fluorooctadecyloxy carbonyl
 group, 19-chlorononadecyloxy carbonyl group, 20-
 chloroicosyloxy carbonyl group, aminomethoxy carbonyl
 15 group, diethylaminomethoxy carbonyl group, 2-
 diethylaminoethoxy carbonyl group, 3-diethylamino-
 propoxy carbonyl group, 4-diethylaminobutoxy carbonyl
 group, 5-diethylaminopentyloxy carbonyl group, 6-
 diethylaminohexyloxy carbonyl group, 7-diethylamino-
 20 heptyloxy carbonyl group, 8-diethylamino octyloxy carbonyl
 group, 9-diethylaminononyloxy carbonyl group, 10-
 diethylaminodecyloxy carbonyl group, 11-diethylamino-
 undecyloxy carbonyl group, 12-diethylaminododecyloxy-
 carbonyl group, 13-diethylaminotridecyloxy carbonyl
 25 group, 14-diethylaminotetradecyloxy carbonyl group, 15-
 diethylaminopentadecyloxy carbonyl group, 16-
 diethylaminohexadecyloxy carbonyl group, 17-
 diethylaminoheptadecyloxy carbonyl group, 18-

- diethylaminooctadecyloxycarbonyl group, 19-
 diethylaminononadecyloxycarbonyl group, 20-
 diethylaminoicosyloxycarbonyl group, methoxyethoxy-
 methoxycarbonyl group, 2-(2-ethoxyethoxy)ethoxycarbonyl
 5 group, 2-(2-propoxyethoxy)ethoxycarbonyl group, 2-(2-
 butoxyethoxy)ethoxycarbonyl group, 2-(2-pentyloxy-
 ethoxy)ethoxycarbonyl group, 2-(2-hexyloxyethoxy)-
 ethoxycarbonyl group, 2-methoxyethoxyethoxycarbonyl
 group, 3-(3-methoxypropoxy)propoxycarbonyl group, 4-(4-
 10 methoxybutoxy)butoxycarbonyl group, 5-(5-methoxy-
 pentyloxy)pentyloxycarbonyl group, 6-(6-methoxy-
 hexyloxy)hexyloxycarbonyl group, 7-(2-methoxyethoxy)-
 heptyloxycarbonyl group, 8-(1-methoxyethoxy)-
 octyloxycarbonyl group, 9-(1-methoxyethoxy)nonyloxy-
 15 carbonyl group, 10-(2-methoxyethoxy)decyloxycarbonyl
 group, 11-(2-methoxyethoxy)undecyloxycarbonyl group,
 12-(2-methoxyethoxy)dodecyloxycarbonyl group, 12-(1-
 methoxyethoxy)dodecyloxycarbonyl group, 13-(2-
 methoxyethoxy)tridecyloxycarbonyl group, 14-(1-
 20 methoxyethoxy)tetradecyloxycarbonyl group, 15-(2-
 methoxyethoxy)pentadecyloxycarbonyl group, 16-(1-
 methoxyethoxy)hexadecyloxycarbonyl group, 17-(2-
 methoxyethoxy)heptadecyloxycarbonyl group, 18-(1-
 methoxyethoxy)octadecyloxycarbonyl group, 19-(2-
 25 methoxyethoxy)nonadecyloxycarbonyl group, 20-(1-
 methoxyethoxy)icosyloxycarbonyl group, dimethyl-
 aminomethoxycarbonyl group, 2-methylaminoethoxycarbonyl
 group, 3-(N-methyl-N-butylamino)propoxycarbonyl group,

4-propylaminobutoxycarbonyl group, 5-hexylaminopentyloxycarbonyl group, 6-pentylamino-hexyloxycarbonyl group, 7-(N-ethyl-N-propylamino)-heptyloxycarbonyl group, 8-(N-propyl-N-hexyl)amino-
 5 octyloxycarbonyl group, 9-(N-pentyl-N-methylamino)-nonyloxycarbonyl group, 10-dipropylaminodecyloxy-carbonyl group, 11-dipentylaminoundecyloxycarbonyl group, 12-dihexylaminododecyloxycarbonyl group, 12-dibutylaminododecyloxycarbonyl group, 13-(N-ethyl-N-
 10 butylamino)tridecyloxycarbonyl group, 14-(N-methyl-N-hexylamino)tetradecyloxycarbonyl group, 15-dimethylaminopentadecyloxycarbonyl group, 16-dimethylaminohexadecyloxycarbonyl group, 17-dimethylaminoheptadecyloxycarbonyl group, 18-
 15 dimethylaminooctadecyloxycarbonyl group, 19-dimethylaminononadecyloxycarbonyl group, 20-dimethylaminoicosyloxycarbonyl group or the like.

Examples of a phenyl C1-6 alkoxy carbonyl group (which may be substituted on the phenyl ring by
 20 at least one group selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group, halogen-substituted or unsubstituted C1-6 alkoxy group, nitro group, halogen-substituted or unsubstituted C1-6 alkylthio group, amino group which
 25 may have a C1-6 alkanoyl group, phenyl C1-6 alkoxy group, C1-6 alkoxy carbonyl group and 1,2,3-thiadiazolyl group) include a phenyl C1-6 alkoxy carbonyl group (which may be substituted on the phenyl ring by 1 to 5,

preferably 1 to 3 groups selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group, halogen-substituted or unsubstituted C1-6 alkoxy group, nitro group, halogen-substituted or unsubstituted C1-6 alkylthio group, amino group which may have 1 to 2 alkanoyl group, phenyl C1-6 alkoxy group, C1-6 alkoxycarbonyl group and 1,2,3-thiadiazolyl group), for example, a benzyloxy-carbonyl group, 1-phenethyloxycarbonyl group, 2-phenethyloxycarbonyl group, 3-phenylpropoxycarbonyl group, 2-phenylpropoxycarbonyl group, 4-phenylbutoxycarbonyl group, 5-phenylpentyloxycarbonyl group, 4-phenylpentyloxycarbonyl group, 6-phenylhexyloxycarbonyl group, 2-fluorobenzyloxycarbonyl group, 3-fluorobenzyloxycarbonyl group, 4-fluorobenzyloxy-carbonyl group, 2-chlorobenzyloxycarbonyl group, 3-chlorobenzyloxycarbonyl group, 4-chlorobenzyloxy-carbonyl group, 2-bromobenzyloxycarbonyl group, 3-bromobenzyloxycarbonyl group, 4-bromobenzyloxycarbonyl group, 2-iodobenzyloxycarbonyl group, 3-iodobenzyloxy-carbonyl group, 4-iodobenzyloxycarbonyl group, 2,3-difluorobenzyloxycarbonyl group, 3,4-difluorobenzyloxy-carbonyl group, 3,5-difluorobenzyloxycarbonyl group, 2,4-difluorobenzyloxycarbonyl group, 2,6-difluorobenzyloxycarbonyl group, 2,4,6-trifluorobenzyloxy-carbonyl group, 3,4,5-trifluorobenzyloxycarbonyl group, 2,3-dichlorobenzyloxycarbonyl group, 3,4-dichlorobenzyloxycarbonyl group, 3,5-dichlorobenzyloxycarbonyl

- group, 2,4-dichlorobenzoyloxycarbonyl group, 2,6-dichlorobenzoyloxycarbonyl group, 2,4,6-trichlorobenzoyloxycarbonyl group, 3,4,5-trichlorobenzoyloxycarbonyl group, 2,3,4,5,6-pentafluorobenzoyloxycarbonyl
- 5 group, 2-difluoromethylbenzoyloxycarbonyl group, 3-difluoromethylbenzoyloxycarbonyl group, 4-difluoromethylbenzoyloxycarbonyl group, 4-chloro-3-difluoromethylbenzoyloxycarbonyl group, 3-chloro-4-difluoromethylbenzoyloxycarbonyl group, 3-bromo-4-
- 10 difluoromethylbenzoyloxycarbonyl group, 3,5-difluoro-4-difluoromethylbenzoyloxycarbonyl group, 2-trifluoromethylbenzoyloxycarbonyl group, 2-fluoro-4-bromobenzoyloxycarbonyl group, 4-chloro-3-fluorobenzoyloxycarbonyl group, 2,3,4-
- 15 trichlorobenzoyloxycarbonyl group, 4-isopropylbenzoyloxycarbonyl group, 4-n-butylbenzoyloxycarbonyl group, 4-methylbenzoyloxycarbonyl group, 2-methylbenzoyloxycarbonyl group, 3-methylbenzoyloxycarbonyl group, 2,4-dimethylbenzoyloxycarbonyl group, 2,3-dimethylbenzoyloxycarbonyl group,
- 20 2,6-dimethylbenzoyloxycarbonyl group, 3,5-dimethylbenzoyloxycarbonyl group, 2,5-dimethylbenzoyloxycarbonyl group, 2,4,6-trimethylbenzoyloxycarbonyl group, 3,5-dinitrofluoromethylbenzoyloxycarbonyl
- 25 group, 4-isopropoxybenzoyloxycarbonyl group, 4-n-butoxybenzoyloxycarbonyl group, 4-methoxybenzoyloxycarbonyl group, 2-methoxybenzoyloxycarbonyl group, 3-methoxybenzoyloxycarbonyl group, 2,4-dimethoxybenzoyloxycarbonyl group, 2,4-dimethoxybenzoyloxycarbonyl group,

- carbonyl group, 2,3-dimethoxybenzyloxycarbonyl group, 2,6-dimethoxybenzyloxycarbonyl group, 3,5-dimethoxybenzyloxycarbonyl group, 2,5-dimethoxybenzyloxycarbonyl group, 2,4,6-trimethoxybenzyloxycarbonyl group, 3,5-
- 5 ditrifluoromethoxybenzyloxycarbonyl group, 2-isopropoxybenzyloxycarbonyl group, 3-chloro-4-methoxybenzyloxycarbonyl group, 2-chloro-4-fluoromethoxybenzyloxycarbonyl group, 3-methyl-4-fluorobenzyloxy-
- 10 carbonyl group, 3-trifluoromethylbenzyloxycarbonyl group, 4-trifluoromethylbenzyloxycarbonyl group, 4-fluoro-3-trifluoromethylbenzyloxycarbonyl group, 3-fluoro-4-trifluoromethylbenzyloxycarbonyl group, 2-pentafluoroethylbenzyloxycarbonyl group, 4-chloro-3-
- 15 pentafluoroethylbenzyloxycarbonyl group, 3-chloro-4-pentafluoroethylbenzyloxycarbonyl group, 3-pentafluoroethylbenzyloxycarbonyl group, 4-pentafluoroethylbenzyloxycarbonyl group, 2-trifluoromethoxybenzyloxycarbonyl group, 3-
- 20 trifluoromethoxybenzyloxycarbonyl group, 4-trifluoromethoxybenzyloxycarbonyl group, 4-fluoro-3-trifluoromethoxybenzyloxycarbonyl group, 3-fluoro-4-trifluoromethoxybenzyloxycarbonyl group, 2-pentafluoroethoxybenzyloxycarbonyl group, 3-
- 25 pentafluoroethoxybenzyloxycarbonyl group, 4-pentafluoroethoxybenzyloxycarbonyl group, 3-chloro-4-trifluoromethoxybenzyloxycarbonyl group, 3-chloro-4-pentafluoroethoxybenzyloxycarbonyl group, 2-(2-

- trifluoromethylphenyl)ethoxycarbonyl group, 2-(3-trifluoromethylphenyl)ethoxycarbonyl group, 2-(4-trifluoromethylphenyl)ethoxycarbonyl group, (2-trifluoromethoxyphenyl)methoxycarbonyl group, (3-trifluoromethoxyphenyl)methoxycarbonyl group, 2-(4-trifluoromethoxyphenyl)ethoxycarbonyl group, 2-(2-pentafluoroethoxyphenyl)ethoxycarbonyl group, 2-(3-pentafluoroethoxyphenyl)ethoxycarbonyl group, 2-(4-pentafluoroethoxyphenyl)ethoxycarbonyl group, 3-(2-trifluoromethylphenyl)propoxycarbonyl group, 3-(3-trifluoromethylphenyl)propoxycarbonyl group, 3-(4-trifluoromethylphenyl)propoxycarbonyl group, 3-(2-trifluoromethoxyphenyl)propoxycarbonyl group, 3-(3-trifluoromethoxyphenyl)propoxycarbonyl group, 3-(4-trifluoromethoxyphenyl)propoxycarbonyl group, 3-(3-pentafluoroethoxyphenyl)propoxycarbonyl group, 3-(4-pentafluoroethoxyphenyl)propoxycarbonyl group, 4-(3-pentafluoroethoxyphenyl)butoxycarbonyl group, 5-(4-trifluoromethylphenyl)pentylloxycarbonyl group, 4-(4-trifluoromethylphenyl)pentylloxycarbonyl group, 4-(4-trifluoromethoxyphenyl)pentylloxycarbonyl group, 6-(3-trifluoromethylphenyl)hexylloxycarbonyl group, 6-(4-trifluoromethylphenyl)hexylloxycarbonyl group, 6-(4-trifluoromethoxyphenyl)hexylloxycarbonyl group, 2-methylthiobenzyloxycarbonyl group, 3-methylthiobenzyloxycarbonyl group, 4-methylthiobenzyloxycarbonyl group, 2-(2-methylthiophenyl)ethoxycarbonyl group, 2-(3-methylthiophenyl)ethoxycarbonyl group, 2-(4-

- methylthiophenyl)ethoxycarbonyl group, 3-(4-methylthiophenyl)propoxycarbonyl group, 4-(4-methylthiophenyl)butoxycarbonyl group, 5-(4-methylthiophenyl)pentyloxycarbonyl group, 6-(4-methylthiophenyl)hexyloxycarbonyl group, 2-trifluoromethylthiobenzyloxycarbonyl group, 3-trifluoromethylthiobenzyloxycarbonyl group, 4-trifluoromethylthiobenzyloxycarbonyl group, 2-(2-trifluoromethylthiophenyl)ethoxycarbonyl group, 2-(3-trifluoromethylthiophenyl)ethoxycarbonyl group, 2-(4-trifluoromethylthiophenyl)ethoxycarbonyl group, 3-(4-trifluoromethylthiophenyl)propoxycarbonyl group, 4-(4-trifluoromethylthiophenyl)butoxycarbonyl group, 5-(4-trifluoromethylthiophenyl)pentyloxycarbonyl group, 6-(4-trifluoromethylthiophenyl)hexyloxycarbonyl group,
- 2-benzyloxybenzyloxycarbonyl group, 3-benzyloxybenzyloxycarbonyl group, 4-benzyloxybenzyloxycarbonyl group, 2-(2-benzyloxyphenyl)ethoxycarbonyl group, 2-(3-benzyloxyphenyl)ethoxycarbonyl group, 2-(4-benzyloxyphenyl)ethoxycarbonyl group, 3-(4-benzyloxyphenyl)propoxycarbonyl group, 4-(4-benzyloxyphenyl)butoxycarbonyl group, 5-(4-benzyloxyphenyl)pentyloxycarbonyl group, 6-(4-benzyloxyphenyl)hexyloxycarbonyl group, 2-(2-phenylethoxy)benzyloxycarbonyl group, 3-(2-phenylethoxy)benzyloxycarbonyl group, 4-(2-phenylethoxy)benzyloxycarbonyl group, 2-[2-(2-phenylethoxy)phenyl]ethoxycarbonyl group, 2-[3-(2-phenylethoxy)phenyl]ethoxycarbonyl group, 2-[4-(2-phenylethoxy)phenyl]ethoxycarbonyl group, 3-(4-(2-

phenylethoxyphenyl))propoxycarbonyl group, 4-(4-(2-phenylethoxyphenyl))butoxycarbonyl group, 5-(4-(2-phenylethoxyphenyl))pentyloxycarbonyl group, 6-(4-(2-phenylethoxyphenyl))hexyloxycarbonyl group, 2-(3-phenylpropoxy)benzyloxycarbonyl group, 3-(3-phenylpropoxy)benzyloxycarbonyl group, 4-(3-phenylpropoxy)benzyloxycarbonyl group, 2-(4-phenylbutoxy)benzyloxycarbonyl group, 3-(4-phenylbutoxy)benzyloxycarbonyl group, 4-(4-phenylbutoxy)benzyloxycarbonyl group, 2-methoxycarbonylbenzyloxycarbonyl group, 3-methoxycarbonylbenzyloxycarbonyl group, 4-methoxycarbonylbenzyloxycarbonyl group, 2-(2-methoxycarbonylphenyl)ethoxycarbonyl group, 2-(3-methoxycarbonylphenyl)ethoxycarbonyl group, 2-(4-methoxycarbonylphenyl)ethoxycarbonyl group, 3-(4-methoxycarbonylphenyl)propoxycarbonyl group, 4-(4-methoxycarbonylphenyl)butoxycarbonyl group, 5-(4-methoxycarbonylphenyl)pentyloxycarbonyl group, 6-(4-methoxycarbonylphenyl)hexyloxycarbonyl group, 2-butyrylamino benzyloxycarbonyl group, 3-butyrylamino benzyloxycarbonyl group, 4-butyrylamino benzyloxycarbonyl group, 2-(2-butyrylamino phenyl)ethoxycarbonyl group, 2-(3-butyrylamino phenyl)ethoxycarbonyl group, 2-(4-butyrylamino phenyl)ethoxycarbonyl group, 3-(4-butyrylamino phenyl)propoxycarbonyl group, 4-(4-butyrylamino phenyl)butoxycarbonyl group, 5-(4-butyrylamino phenyl)pentyloxycarbonyl group, 6-(4-butyrylamino phenyl)hexyloxycarbonyl group, 2-nitrobenzyloxycarbonyl group, 3-nitrobenzyloxycarbonyl

group, 4-nitrobenzyloxycarbonyl group, 2-(2-nitrophenyl)ethoxycarbonyl group, 2-(3-nitrophenyl)-ethoxycarbonyl group, 2-(2,4-dinitrophenyl)ethoxycarbonyl group, 2-(2,4,6-trinitrophenyl)methoxycarbonyl group, 2-(4-nitrophenyl)ethoxycarbonyl group, 3-(4-nitrophenyl)propoxycarbonyl group, 4-(4-nitrophenyl)-butoxycarbonyl group, 5-(4-nitrophenyl)pentyloxycarbonyl group, 6-(4-nitrophenyl)hexyloxycarbonyl group, 2-aminobenzyloxycarbonyl group, 3-amino-
 10 benzyloxycarbonyl group, 4-aminobenzyloxycarbonyl group, 2-(2-aminophenyl)ethoxycarbonyl group, 2-(3-aminophenyl)ethoxycarbonyl group, 2-(4-aminophenyl)-ethoxycarbonyl group, 3-(4-aminophenyl)propoxycarbonyl group, 4-(4-aminophenyl)butoxycarbonyl group, 5-(4-
 15 aminophenyl)pentyloxycarbonyl group, 6-(4-aminophenyl)-hexyloxycarbonyl group, 2-acetylaminobenzyloxycarbonyl group, 3-propionylaminobenzyloxycarbonyl group, 4-pentanoylaminobenzyloxycarbonyl group, 2-(2-hexanoylaminophenyl)ethoxycarbonyl group, 2-(3-acetylaminophenyl)ethoxycarbonyl group, 2-(4-acetylaminophenyl)-
 20 ethoxycarbonyl group, 3-(4-acetylaminophenyl)propoxycarbonyl group, 4-(4-acetylaminophenyl)butoxycarbonyl group, 5-(4-acetylaminophenyl)pentyloxycarbonyl group, 6-(4-acetylaminophenyl)hexyloxycarbonyl group, 2-
 25 ethoxycarbonylbenzyloxycarbonyl group, 3-ethoxycarbonylbenzyloxycarbonyl group, 4-ethoxycarbonylbenzyloxycarbonyl group, 2-(2-ethoxycarbonylphenyl)-ethoxycarbonyl group, 2-(3-butoxycarbonylphenyl)-

ethoxycarbonyl group, 2-(4-propoxycarbonylphenyl)-
 ethoxycarbonyl group, 3-(4-ethoxycarbonylphenyl)-
 propoxycarbonyl group, 4-(4-pentyloxycarbonylphenyl)-
 butoxycarbonyl group, 5-(4-hexyloxycarbonylphenyl)-
 5 pentyloxycarbonyl group, 6-(4-ethoxycarbonylphenyl)-
 hexyloxycarbonyl group, 2-(1,2,3-thiadiazol-4-
 yl)benzyloxycarbonyl group, 3-(1,2,3-thiadiazol-4-
 yl)benzyloxycarbonyl group, 4-(1,2,3-thiadiazol-4-
 yl)benzyloxycarbonyl group or the like.

10 A phenyl C3-6 alkenyloxycarbonyl group (which
 may be substituted on the phenyl ring by at least one
 group selected from a group consisting of a halogen
 atom, halogen-substituted or unsubstituted C1-6 alkyl
 group and halogen-substituted or unsubstituted C1-6
 15 alkoxy group) is a group containing a phenyl group
 unsubstituted or substituted by 1 to 5, preferably 1 to
 3 groups selected from a group consisting of a halogen
 atom, a halogen C1-6 alkyl group and a halogen-
 substituted or unsubstituted C1-6 alkoxy group, an
 20 alkenyloxy group having 3 to 6 carbon atoms and 1 to 3
 double bonds, and a carbonyl group. These groups may
 be either in trans or cis form and both forms are
 included as a matter of course. For example, included
 is an unsubstituted 3-phenyl-2-propenyloxycarbonyl
 25 group (trivial name: cinnamyloxycarbonyl group), 4-
 phenyl-2-butenyloxycarbonyl group, 4-phenyl-3-
 butenyloxycarbonyl group, 5-phenyl-2-pentenyl-
 carbonyl group, 5-phenyl-4-pentenyl-oxycarbonyl group,

- 5-phenyl-3-pentenylloxycarbonyl group, 6-phenyl-5-hexenylloxycarbonyl group, 6-phenyl-4-hexenylloxycarbonyl group, 6-phenyl-3-hexenylloxycarbonyl group, 4-phenyl-1,3-butadienylloxycarbonyl group, 6-phenyl-1,3,5-
- 5 hexatrienylloxycarbonyl group, 6-phenyl-3-hexenylloxycarbonyl group, 3-(2-fluorophenyl)-2-propenylloxycarbonyl group, 3-(3-fluorophenyl)-2-propenylloxycarbonyl group, 3-(4-fluorophenyl)-2-propenylloxycarbonyl group, 3-(2,3-difluorophenyl)-2-propenylloxycarbonyl group, 3-(2,4-difluorophenyl)-2-propenylloxycarbonyl group, 3-(3,4-difluorophenyl)-2-propenylloxycarbonyl group, 3-(3,5-difluorophenyl)-2-propenylloxycarbonyl group, 3-(2-chlorophenyl)-2-propenylloxycarbonyl group, 3-(3-chlorophenyl)-2-propenylloxycarbonyl group, 3-(4-chlorophenyl)-2-propenylloxycarbonyl group, 3-(2,3-dichlorophenyl)-2-propenylloxycarbonyl group, 3-(2,4-dichlorophenyl)-2-propenylloxycarbonyl group, 3-(3,4-dichlorophenyl)-2-propenylloxycarbonyl group, 3-(3,5-dichlorophenyl)-2-propenylloxycarbonyl group, 3-(2-bromophenyl)-2-propenylloxycarbonyl group, 3-(3-bromophenyl)-2-propenylloxycarbonyl group, 3-(4-bromophenyl)-2-propenylloxycarbonyl group, 3-(2-fluoro-4-bromophenyl)-2-propenylloxycarbonyl group, 3-(2,3,4,5,6-pentafluorophenyl)-2-propenylloxycarbonyl group, 3-(4-chloro-3-fluorophenyl)-2-propenylloxycarbonyl group, 3-(2,3,4-trichlorophenyl)-2-propenylloxycarbonyl group, 3-(2,4,6-trichlorophenyl)-2-propenylloxycarbonyl group, 3-(4-isopropylphenyl)-2-
- 10
- 15
- 20
- 25

- propenyloxy carbonyl group, 3-(4-n-butylphenyl)-2-
 propenyloxy carbonyl group, 3-(2,4-dimethylphenyl)-2-
 propenyloxy carbonyl group, 3-(2,3-dimethylphenyl)-2-
 propenyloxy carbonyl group, 3-(2,6-dimethylphenyl)-2-
 5 propenyloxy carbonyl group, 3-(3,5-dimethylphenyl)-2-
 propenyloxy carbonyl group, 3-(2,5-dimethylphenyl)-2-
 propenyloxy carbonyl group, 3-(2,4,6-trimethylphenyl)-2-
 propenyloxy carbonyl group, 3-(3,5-ditrifluoromethyl-
 phenyl)-2-propenyloxy carbonyl group, 3-(4-n-
 10 butoxyphenyl)-2-propenyloxy carbonyl group, 3-(2,4-
 dimethoxyphenyl)-2-propenyloxy carbonyl group, 3-(2,3-
 dimethoxyphenyl)-2-propenyloxy carbonyl group, 3-(2,6-
 dimethoxyphenyl)-2-propenyloxy carbonyl group, 3-(3,5-
 dimethoxyphenyl)-2-propenyloxy carbonyl group, 3-(2,5-
 15 dimethoxyphenyl)-2-propenyloxy carbonyl group, 3-(3,5-
 ditrifluoromethoxyphenyl)-2-propenyloxy carbonyl group,
 3-(3-chloro-4-methoxyphenyl)-2-propenyloxy carbonyl
 group, 3-(2-chloro-4-trifluoromethoxyphenyl)-2-
 propenyloxy carbonyl group, 3-(3-methyl-4-fluorophenyl)-
 20 2-propenyloxy carbonyl group, 3-(4-bromo-3-trifluoro-
 methylphenyl)-2-propenyloxy carbonyl group, 3-(2-methyl-
 phenyl)-2-propenyloxy carbonyl group, 3-(3-methyl-
 phenyl)-2-propenyloxy carbonyl group, 3-(4-methyl-
 phenyl)-2-propenyloxy carbonyl group, 3-(2-trifluoro-
 25 methylphenyl)-2-propenyloxy carbonyl group, 3-(3-
 trifluoromethylphenyl)-2-propenyloxy carbonyl group, 3-
 (4-trifluoromethylphenyl)-2-propenyloxy carbonyl group,
 3-(2-trifluoromethoxyphenyl)-2-propenyloxy carbonyl

group, 3-(3-trifluoromethoxyphenyl)-2-propenyloxy-
 carbonyl group, 3-(4-trifluoromethoxyphenyl)-2-
 propenyloxy carbonyl group, 3-(2-methoxyphenyl)-2-
 propenyloxy carbonyl group, 3-(3-methoxyphenyl)-2-
 5 propenyloxy carbonyl group, 3-(4-methoxyphenyl)-2-
 propenyloxy carbonyl group, 3-(3,4-dimethoxyphenyl)-2-
 propenyloxy carbonyl group, 4-(4-chlorophenyl)-2-
 butenyloxy carbonyl group, 4-(4-chlorophenyl)-3-
 butenyloxy carbonyl group, 5-(4-chlorophenyl)-2-
 10 pentenyloxy carbonyl group, 5-(4-chlorophenyl)-4-
 pentenyloxy carbonyl group, 5-(4-chlorophenyl)-3-
 pentenyloxy carbonyl group, 6-(4-chlorophenyl)-5-
 hexenyloxy carbonyl group, 6-(4-chlorophenyl)-4-
 hexenyloxy carbonyl group, 6-(4-chlorophenyl)-3-
 15 hexenyloxy carbonyl group, 6-(4-chlorophenyl)-2-
 hexenyloxy carbonyl group or the like.

A phenoxycarbonyl group (which may be
 substituted on the phenyl ring by at least one group
 selected from a group consisting of a halogen atom,
 20 halogen-substituted or unsubstituted C1-6 alkyl group
 and halogen-substituted or unsubstituted C1-6 alkoxy
 group) includes, a phenoxycarbonyl group (which may be
 substituted on the phenyl ring by 1 to 5, preferably 1
 to 3 groups selected from a group consisting of a
 25 halogen atom, halogen-substituted or unsubstituted C1-6
 alkyl group and halogen-substituted or unsubstituted
 C1-6 alkoxy group), for example, a phenoxycarbonyl
 group, 2-fluorophenoxycarbonyl group, 3-fluorophenoxy-

carbonyl group, 2,3,4,5,6-pentafluorophenoxy-carbonyl
 group, 4-fluorophenoxy-carbonyl group, 2-chlorophenoxy-
 carbonyl group, 3-chlorophenoxy-carbonyl group, 4-
 chlorophenoxy-carbonyl group, 2,3-dichlorophenoxy-
 5 carbonyl group, 3,4-dichlorophenoxy-carbonyl group, 3,5-
 dichlorophenoxy-carbonyl group, 2-bromophenoxy-carbonyl
 group, 3-bromophenoxy-carbonyl group, 4-bromophenoxy-
 carbonyl group, 2-methylphenoxy-carbonyl group, 3-
 methylphenoxy-carbonyl group, 4-methylphenoxy-carbonyl
 10 group, 2-ethylphenoxy-carbonyl group, 3-ethylphenoxy-
 carbonyl group, 4-ethylphenoxy-carbonyl group, 4-
 propylphenoxy-carbonyl group, 4-tert-butylphenoxy-
 carbonyl group, 4-butylphenoxy-carbonyl group, 2,3-
 dimethylphenoxy-carbonyl group, 3,4,5-trimethylphenoxy-
 15 carbonyl group, 4-pentylphenoxy-carbonyl group, 4-
 hexylphenoxy-carbonyl group, 2-fluoro-4-bromophenoxy-
 carbonyl group, 4-chloro-3-fluorophenoxy-carbonyl group,
 2,3,4-trichlorophenoxy-carbonyl group, 2,4,6-
 trichlorophenoxy-carbonyl group, 4-isopropylphenoxy-
 20 carbonyl group, 4-n-butylphenoxy-carbonyl group, 2,4-
 dimethylphenoxy-carbonyl group, 2,6-
 dimethylphenoxy-carbonyl group, 3,5-
 dimethylphenoxy-carbonyl group, 2,5-dimethylphenoxy-
 carbonyl group, 2,4,6-trimethylphenoxy-carbonyl group,
 25 3,5-ditrifluoromethylphenoxy-carbonyl group, 4-n-
 butoxyphenoxy-carbonyl group, 2,4-dimethoxyphenoxy-
 carbonyl group, 2,3-dimethoxyphenoxy-carbonyl group,
 2,6-dimethoxyphenoxy-carbonyl group, 3,5-

dimethoxyphenoxy-carbonyl group, 2,5-dimethoxyphenoxy-carbonyl group, 3,5-ditrifluoromethoxyphenoxy-carbonyl group, 3-chloro-4-methoxyphenoxy-carbonyl group, 2-chloro-4-trifluoromethoxyphenoxy-carbonyl group, 3-methyl-4-fluorophenoxy-carbonyl group, 4-bromo-3-trifluoromethylphenoxy-carbonyl group, 2-trifluoromethylphenoxy-carbonyl group, 3-trifluoromethylphenoxy-carbonyl group, 4-trifluoromethylphenoxy-carbonyl group, 2-pentafluoroethylphenoxy-carbonyl group, 3-pentafluoroethylphenoxy-carbonyl group, 4-pentafluoroethylphenoxy-carbonyl group, 2-methoxyphenoxy-carbonyl group, 3-methoxyphenoxy-carbonyl group, 4-methoxyphenoxy-carbonyl group, 2-ethoxyphenoxy-carbonyl group, 3-ethoxyphenoxy-carbonyl group, 4-ethoxyphenoxy-carbonyl group, 4-propoxyphenoxy-carbonyl group, 4-tert-butoxyphenoxy-carbonyl group, 4-n-butoxyphenoxy-carbonyl group, 3,4,5-trimethoxyphenoxy-carbonyl group, 4-pentoxyphe-noxy-carbonyl group, 4-hexyloxyphenoxy-carbonyl group, 2-trifluoromethoxyphenoxy-carbonyl group, 3-trifluoromethoxyphenoxy-carbonyl group, 4-trifluoromethoxyphenoxy-carbonyl group, 2-pentafluoroethoxyphenoxy-carbonyl group, 3-pentafluoroethoxyphenoxy-carbonyl group, 4-pentafluoroethoxyphenoxy-carbonyl group or the like.

25 A phenyl C1-6 alkylcarbamoyl group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group

and halogen-substituted or unsubstituted C1-6 alkoxy group) includes a phenyl C1-6 alkylcarbamoyl group (which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group

5 consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group), for example, a benzylcarbamoyl group, 2-phenethylcarbamoyl group, 3-phenylpropylcarbamoyl group, 2-phenylpropylcarbamoyl

10 group, 4-phenylbutylcarbamoyl group, 5-phenylpentylcarbamoyl group, 4-phenylpentylcarbamoyl group, 6-phenylhexylcarbamoyl group, 2-fluorobenzylcarbamoyl group, 3-fluorobenzylcarbamoyl group, 4-fluorobenzylcarbamoyl group, 2-chlorobenzylcarbamoyl group, 3-

15 chlorobenzylcarbamoyl group, 4-chlorobenzylcarbamoyl group, 2-bromobenzylcarbamoyl group, 3-bromobenzylcarbamoyl group, 4-bromobenzylcarbamoyl group, 2-iodobenzylcarbamoyl group, 3-iodobenzylcarbamoyl group, 4-iodobenzylcarbamoyl group, N-benzyl-N-methylcarbamoyl

20 group, N-methyl-N-(2-phenethyl)carbamoyl group, N-methyl-N-(3-phenylpropyl)carbamoyl group, N-methyl-N-(2-phenylpropyl)carbamoyl group, N-methyl-N-(4-phenylbutyl)carbamoyl group, N-methyl-N-(5-phenylpentyl)carbamoyl group, N-methyl-N-(4-phenylpentyl)-

25 carbamoyl group, N-methyl-N-(6-phenylhexyl)carbamoyl group, N-(2-fluorobenzyl)-N-methylcarbamoyl group, N-(3-fluorobenzyl)-N-methylcarbamoyl group, N-(4-fluorobenzyl)-N-methylcarbamoyl group, N-(2-chloro-

benzyl)-N-methylcarbamoyl group, N-(3-chlorobenzyl)-N-methylcarbamoyl group, N-(4-chlorobenzyl)-N-methylcarbamoyl group, N-(2-bromobenzyl)-N-methylcarbamoyl group, N-(3-bromobenzyl)-N-methylcarbamoyl group, N-(4-bromobenzyl)-N-methylcarbamoyl group, N, N-dibenzylcarbamoyl group, N-benzyl-N-(2-phenethyl)carbamoyl group, N-benzyl-(3-phenylpropyl)carbamoyl group, N-benzyl-N-(2-phenylpropyl)carbamoyl group, N-benzyl-N-(4-phenylbutyl)carbamoyl group, N-benzyl-N-(5-phenylpentyl)carbamoyl group, N-benzyl-N-(4-phenylpentyl)carbamoyl group, N-benzyl-N-(6-phenylhexyl)carbamoyl group, N-benzyl-N-(2-fluorobenzyl)carbamoyl group, N-benzyl-N-(3-fluorobenzyl)carbamoyl group, N-benzyl-N-(4-fluorobenzyl)carbamoyl group, N-benzyl-N-(2-chlorobenzyl)carbamoyl group, N-benzyl-N-(3-chlorobenzyl)carbamoyl group, N-benzyl-N-(4-chlorobenzyl)carbamoyl group, N-benzyl-N-(2-bromobenzyl)carbamoyl group, N-benzyl-N-(3-bromobenzyl)carbamoyl group, N-benzyl-N-(4-bromobenzyl)carbamoyl group, 2,3-difluorobenzylcarbamoyl group, 3,4-difluorobenzylcarbamoyl group, 3,5-difluorobenzylcarbamoyl group, 2,4-difluorobenzylcarbamoyl group, 2,6-difluorobenzylcarbamoyl group, 2,3-dichlorobenzylcarbamoyl group, 3,4-dichlorobenzylcarbamoyl group, 3,5-dichlorobenzylcarbamoyl group, 2,4-dichlorobenzylcarbamoyl group, 2,6-dichlorobenzylcarbamoyl group, 2-fluoro-4-bromobenzylcarbamoyl group, 4-chloro-3-fluorobenzylcarbamoyl group, 2,3,4-trichlorobenzylcarbamoyl group,

3,4,5-trifluorobenzylcarbamoyl group, 2,4,6-trichloro
 benzylcarbamoyl group, 4-isopropylbenzylcarbamoyl
 group, 4-n-butylbenzylcarbamoyl group, 4-methylbenzyl-
 carbamoyl group, 2-methylbenzylcarbamoyl group, 3-
 5 methylbenzylcarbamoyl group, 2,4-dimethylbenzyl-
 carbamoyl group, 2,3-dimethylbenzylcarbamoyl group,
 2,6-dimethylbenzylcarbamoyl group, 3,5-dimethylbenzyl-
 carbamoyl group, 2,5-dimethylbenzylcarbamoyl group,
 2,4,6-trimethylbenzylcarbamoyl group, 3,5-ditrifluoro-
 10 methylbenzylcarbamoyl group, 4-isopropylbenzylcarbamoyl
 group, 4-n-butoxybenzylcarbamoyl group, 4-methoxy-
 benzylcarbamoyl group, 2-methoxybenzylcarbamoyl group,
 3-methoxybenzylcarbamoyl group, 2,4-dimethoxybenzyl-
 carbamoyl group, 2,3-dimethoxybenzylcarbamoyl group,
 15 2,6-dimethoxybenzylcarbamoyl group, 3,5-dimethoxy-
 benzylcarbamoyl group, 2,5-dimethoxybenzylcarbamoyl
 group, 2,4,6-trimethoxybenzylcarbamoyl group, 3,5-
 ditrifluoromethoxybenzylcarbamoyl group, 2-isopropoxy-
 benzylcarbamoyl group, 3-chloro-4-methoxybenzyl-
 20 carbamoyl group, 2-chloro-4-trifluoromethoxybenzyl-
 carbamoyl group, 3-methyl-4-fluorobenzylcarbamoyl
 group, 4-bromo-3-trifluoromethylbenzylcarbamoyl group,
 2-trifluoromethoxybenzylcarbamoyl group, 3-trifluoro-
 methylbenzylcarbamoyl group, 4-trifluoromethylbenzyl-
 25 carbamoyl group, 2-pentafluoroethylbenzylcarbamoyl
 group, 3-pentafluoroethylbenzylcarbamoyl group, 4-
 pentafluoroethylbenzylcarbamoyl group, 2-trifluoro-
 methoxybenzylcarbamoyl group, 3-trifluoromethoxybenzyl-

carbamoyl group, 4-trifluoromethoxybenzylcarbamoyl
 group, 2-pentafluoroethoxybenzylcarbamoyl group, 3-
 pentafluoroethoxybenzylcarbamoyl group, 4-pentafluoro-
 ethoxybenzylcarbamoyl group, 2-(2-trifluoromethyl-
 5 phenyl)ethylcarbamoyl group, 2-(3-trifluoromethyl-
 phenyl)ethylcarbamoyl group, 2-(4-trifluoromethyl-
 phenyl)ethylcarbamoyl group, 2-(2-trifluoromethoxy-
 phenyl)ethylcarbamoyl group, 2-(3-trifluoromethoxy-
 phenyl)ethylcarbamoyl group, 2-(4-trifluoromethoxy-
 10 phenyl)ethylcarbamoyl group, 2-(2-pentafluoroethoxy-
 phenyl)ethylcarbamoyl group, 2-(3-pentafluoroethoxy-
 phenyl)ethylcarbamoyl group, 2-(4-pentafluoroethoxy-
 phenyl)ethylcarbamoyl group, 3-(2-trifluoromethyl-
 phenyl)propylcarbamoyl group, 3-(3-trifluoromethyl-
 15 phenyl)propylcarbamoyl group, 3-(4-trifluoromethyl-
 phenyl)propylcarbamoyl group, 3-(2-trifluoromethoxy-
 phenyl)propylcarbamoyl group, 3-(3-trifluoromethoxy-
 phenyl)propylcarbamoyl group, 3-(4-trifluoromethoxy-
 phenyl)propylcarbamoyl group, 3-(3-pentafluoroethoxy-
 20 phenyl)propylcarbamoyl group, 3-(4-pentafluoroethoxy-
 phenyl)propylcarbamoyl group, 4-(3-pentafluoroethoxy-
 phenyl)butylcarbamoyl group, 5-(4-trifluoromethyl-
 phenyl)pentylcarbamoyl group, 4-(4-trifluoromethyl-
 phenyl)pentylcarbamoyl group, 4-(4-trifluoromethoxy-
 25 phenyl)pentylcarbamoyl group, 6-(3-trifluoromethyl-
 phenyl)hexylcarbamoyl group, 6-(4-trifluoromethyl-
 phenyl)hexylcarbamoyl group, 6-(4-trifluoromethoxy-
 phenyl)hexylcarbamoyl group or the like.

A benzofuryl-substituted C1-6 alkoxy carbonyl group which may be substituted on the benzofuran ring by at least one halogen atom includes a benzofuryl-substituted C1-6 alkoxy carbonyl group which may be substituted on the benzofuran ring by 1 to 3 halogen atoms, for example, a 2-benzofurylmethoxycarbonyl group, 1-(2-benzofuryl)ethoxycarbonyl group, 2-(4-benzofuryl)ethoxycarbonyl group, 3-(5-benzofuryl)propoxycarbonyl group, 4-(6-benzofuryl)butoxycarbonyl group, 5-(7-benzofuryl)pentylloxycarbonyl group, 6-(2-benzofuryl)hexylloxycarbonyl group, 4-fluoro-2-benzofurylmethoxycarbonyl group, 5-fluoro-2-benzofurylmethoxycarbonyl group, 6-fluoro-2-benzofurylmethoxycarbonyl group, 7-fluoro-2-benzofurylmethoxycarbonyl group, 4-chloro-2-benzofurylmethoxycarbonyl group, 5-chloro-2-benzofurylmethoxycarbonyl group, 6-chloro-2-benzofurylmethoxycarbonyl group, 7-chloro-2-benzofurylmethoxycarbonyl group, 4-bromo-2-benzofurylmethoxycarbonyl group, 5-bromo-2-benzofurylmethoxycarbonyl group, 6-bromo-2-benzofurylmethoxycarbonyl group, 7-bromo-2-benzofurylmethoxycarbonyl group, 4-iodo-2-benzofurylmethoxycarbonyl group, 5-iodo-2-benzofurylmethoxycarbonyl group, 6-iodo-2-benzofurylmethoxycarbonyl group, 7-iodo-2-benzofurylmethoxycarbonyl group, 4-fluoro-3-benzofurylmethoxycarbonyl group, 5-fluoro-3-benzofurylmethoxycarbonyl group, 6-fluoro-3-benzofurylmethoxycarbonyl group, 7-fluoro-3-

- benzofurylmethoxycarbonyl group, 4-chlororo-3-benzofurylmethoxycarbonyl group, 5-chlororo-3-benzofurylmethoxycarbonyl group, 6-chlororo-3-benzofurylmethoxycarbonyl group, 7-chlororo-3-benzofurylmethoxycarbonyl group, 4-bromo-3-benzofurylmethoxycarbonyl group, 5-bromo-3-benzofurylmethoxycarbonyl group, 6-bromo-3-benzofurylmethoxycarbonyl group, 7-bromo-3-benzofurylmethoxycarbonyl group, 4-iodo-3-benzofurylmethoxycarbonyl group, 5-iodo-3-benzofurylmethoxycarbonyl group, 6-iodo-3-benzofurylmethoxycarbonyl group, 7-iodo-3-benzofurylmethoxycarbonyl group, 2-(4-fluoro-2-benzofuryl)ethoxycarbonyl group, 2-(5-fluoro-2-benzofuryl)ethoxycarbonyl group, 2-(6-fluoro-2-benzofuryl)ethoxycarbonyl group, 2-(7-fluoro-2-benzofuryl)ethoxycarbonyl group, 2-(4-chloro-2-benzofuryl)ethoxycarbonyl group, 2-(5-chloro-2-benzofuryl)ethoxycarbonyl group, 2-(6-chloro-2-benzofuryl)ethoxycarbonyl group, 2-(7-chloro-2-benzofuryl)ethoxycarbonyl group, 2-(4-fluoro-3-benzofuryl)ethoxycarbonyl group, 2-(5-fluoro-3-benzofuryl)ethoxycarbonyl group, 2-(6-fluoro-3-benzofuryl)ethoxycarbonyl group, 2-(7-fluoro-3-benzofuryl)ethoxycarbonyl group, 2-(4-chloro-3-benzofuryl)ethoxycarbonyl group, 2-(5-chloro-3-benzofuryl)ethoxycarbonyl group, 2-(6-chloro-3-benzofuryl)ethoxycarbonyl group, 2-(7-chloro-3-benzofuryl)ethoxycarbonyl group, 6-(4-fluoro-2-benzofuryl)hexyloxycarbonyl group, 6-(5-fluoro-2-

benzofuryl)hexyloxycarbonyl group, 6-(6-fluoro-2-
 benzofuryl)hexyloxycarbonyl group, 6-(7-fluoro-2-
 benzofuryl)hexyloxycarbonyl group, 6-(4-chloro-2-
 benzofuryl)hexyloxycarbonyl group, 6-(5-chloro-2-
 5 benzofuryl)hexyloxycarbonyl group, 6-(6-chloro-2-
 benzofuryl)hexyloxycarbonyl group, 6-(7-chloro-2-
 benzofuryl)hexyloxycarbonyl group, 6-(4-fluoro-3-
 benzofuryl)ethoxycarbonyl group, 6-(5-fluoro-3-
 benzofuryl)hexyloxycarbonyl group, 6-(6-fluoro-3-
 10 benzofuryl)hexyloxycarbonyl group, 6-(7-fluoro-3-
 benzofuryl)hexyloxycarbonyl group, 6-(4-chloro-3-
 benzofuryl)hexyloxycarbonyl group, 6-(5-chloro-3-
 benzofuryl)hexyloxycarbonyl group, 6-(6-chloro-3-
 benzofuryl)hexyloxycarbonyl group, 6-(7-chloro-3-
 15 benzofuryl)hexyloxycarbonyl group, (2,4-dibromo-3-
 benzofuryl)methoxycarbonyl group, (4,5,6-trichloro-3-
 benzofuryl)methoxycarbonyl group or the like.

A benzothienyl C1-6 alkoxy carbonyl group
 (which may be substituted on the benzothiophene ring by
 20 at least one group selected from a group consisting of
 a halogen atom and halogen-substituted or unsubstituted
 C1-6 alkoxy group as a substituent) includes a
 benzothienyl C1-6 alkoxy carbonyl group (which may be
 substituted on the benzothiophene ring by 1 to 3 groups
 25 selected from a group consisting of a halogen atom and
 halogen-substituted or unsubstituted C1-6 alkoxy group
 as a substituent), for example, a 2-benzothienyl-
 methoxycarbonyl group, 3-benzothienylmethoxycarbonyl

group, 4-benzothienylmethoxycarbonyl group, 5-benzothienylmethoxycarbonyl group, 6-benzothienylmethoxycarbonyl group, 7-benzothienylmethoxycarbonyl group, 2-(2-benzothienyl)ethoxycarbonyl group, 3-(2-benzothienyl)propoxycarbonyl group, 4-(2-benzothienyl)-
 5 butoxycarbonyl group, 5-(2-benzothienyl)pentylloxycarbonyl group, 6-(2-benzothienyl)hexylloxycarbonyl group, 5-trifluoromethoxy-2-benzothienylmethoxycarbonyl group, 5-trifluoromethoxy-3-benzothienylmethoxycarbonyl
 10 group, 5-trifluoromethoxy-4-benzothienylmethoxycarbonyl group, 4-trifluoromethoxy-5-benzothienylmethoxycarbonyl group, 3-trifluoromethoxy-6-benzothienylmethoxycarbonyl group, 2-trifluoromethoxy-7-benzothienylmethoxycarbonyl group, 2-methoxy-7-benzothienylmethoxycarbonyl group,
 15 5,6-dimethoxy-3-benzothienylmethoxycarbonyl group, 2,5,6-trimethoxy-3-benzothienylmethoxycarbonyl group, 5-chloro-6-methoxy-3-benzothienylmethoxycarbonyl group, 2-(4-ethoxy-2-benzothienyl)ethoxycarbonyl group, 5-chloro-3-benzothienylmethoxycarbonyl group, 3,4-
 20 dibromo-2-benzothienylmethoxycarbonyl group, 4,5,6-trichloro-2-benzothienylmethoxycarbonyl group, 5-trifluoromethoxy-2-chloro-7-benzothienylmethoxycarbonyl group or the like.

Examples of a naphthyl-substituted C1-6
 25 alkoxycarbonyl group include a 1-naphthylmethoxycarbonyl group, 2-naphthylmethoxycarbonyl group, 2-(1-naphthyl)ethoxycarbonyl group, 2-(2-naphthyl)ethoxycarbonyl group, 3-(1-naphthyl)propoxycarbonyl group, 3-

(2-naphthyl)propoxycarbonyl group, 4-(1-naphthyl)-
 butoxycarbonyl group, 4-(2-naphthyl)butoxycarbonyl
 group, 5-(1-naphthyl)pentoxycarbonyl group, 5-(2-
 naphthyl)pentoxycarbonyl group, 6-(1-naphthyl)hexyloxy-
 5 carbonyl group, 6-(2-naphthyl)hexyloxycarbonyl group or
 the like.

A pyridyl-substituted C1-6 alkoxycarbonyl
 group (which may be substituted on the pyridine ring by
 at least one halogen atom as a substituent) includes a
 10 pyridyl-substituted C1-6 alkoxycarbonyl group (which
 may be substituted on the pyridine ring by 1 to 3
 halogen atoms as a substituent), for example, a 2-
 pyridylmethoxycarbonyl group, 3-pyridylmethoxycarbonyl
 group, 4-pyridylmethoxycarbonyl group, 2-(2-
 15 pyridyl)ethoxycarbonyl group, 2-(3-pyridyl)ethoxy-
 carbonyl group, 2-(4-pyridyl)ethoxycarbonyl group, 3-
 (2-pyridyl)propoxycarbonyl group, 3-(3-pyridyl)propoxy-
 carbonyl group, 3-(4-pyridyl)propoxycarbonyl group, 4-
 (2-pyridyl)butoxycarbonyl group, 4-(3-pyridyl)butoxy-
 20 carbonyl group, 4-(4-pyridyl)butoxycarbonyl group, 5-
 (2-pyridyl)pentyloxycarbonyl group, 5-(3-pyridyl)-
 pentyloxycarbonyl group, 5-(4-pyridyl)pentyloxycarbonyl
 group, 6-(2-pyridyl)hexyloxycarbonyl group, 6-(3-
 pyridyl)hexyloxycarbonyl group, 6-(4-pyridyl)hexyloxy-
 25 carbonyl group, 2-chloro-3-pyridylmethoxycarbonyl
 group, 3-bromo-2-pyridylmethoxycarbonyl group, 4-
 fluoro-2-pyridylmethoxycarbonyl group, 2-(2-chloro-4-
 pyridyl)ethoxycarbonyl group, 2-(3-chloro-5-pyridyl)-

ethoxycarbonyl group, 2-(4-iodo-3-pyridyl)ethoxycarbonyl group, 3-(2-bromo-5-pyridyl)propoxycarbonyl group, 3-(3-fluoro-4-pyridyl)propoxycarbonyl group, 3-(4-chloro-2-pyridyl)propoxycarbonyl group, 4-(2-iodo-5-pyridyl)butoxycarbonyl group, 4-(3-bromo-5-pyridyl)butoxycarbonyl group, 4-(4-chloro-5-pyridyl)butoxycarbonyl group, 5-(2-chloro-5-pyridyl)pentylloxycarbonyl group, 5-(3-fluoro-2-pyridyl)pentylloxycarbonyl group, 5-(4-bromo-2-pyridyl)pentylloxycarbonyl group, 6-(2-chloro-5-pyridyl)hexylloxycarbonyl group, 6-(3-fluoro-4-pyridyl)hexylloxycarbonyl group, 6-(4-bromo-2-pyridyl)hexylloxycarbonyl group, (2,6-dichloro-4-pyridyl)methoxycarbonyl group, (2,3,4-trichloro-6-pyridyl)methoxycarbonyl group or the like.

15 A furyl-substituted C1-6 alkoxy carbonyl group (which may be substituted on the furan ring by at least one nitro group as a substituent) includes a furyl-substituted C1-6 alkoxy carbonyl group (which may be substituted on the furan ring by 1 to 3 nitro groups as a substituent), for example, a 2-furylmethoxycarbonyl group, 3-furylmethoxycarbonyl group, 2-(2-furyl)ethoxycarbonyl group, 3-(2-furyl)propoxycarbonyl group, 3-(3-furyl)propoxycarbonyl group, 4-(2-furyl)butoxycarbonyl group, 4-(3-furyl)butoxycarbonyl group, 5-(2-furyl)pentylloxycarbonyl group, 5-(3-furyl)pentylloxycarbonyl group, 6-(2-furyl)hexylloxycarbonyl group, 6-(3-furyl)hexylloxycarbonyl group, 5-nitro-2-furylmethoxycarbonyl group, 5-nitro-3-furylmethoxy-

carbonyl group, 2-(5-nitro-2-furyl)ethoxycarbonyl group, 3-(5-nitro-2-furyl)propoxycarbonyl group, 4-(5-nitro-2-furyl)butoxycarbonyl group, 4-(5-nitro-3-furyl)butoxycarbonyl group, 5-(5-nitro-2-furyl)-
 5 pentyloxycarbonyl group, 5-(5-nitro-3-furyl)pentyloxycarbonyl group, 6-(5-nitro-2-furyl)hexyloxycarbonyl group, 6-(5-nitro-3-furyl)hexyloxycarbonyl group, (4,5-dinitro-2-furyl)methoxycarbonyl group, (2,4,5-trinitro-3-furyl)methoxycarbonyl group or the like.

10 A thienyl-substituted C1-6 alkoxy carbonyl group (which may be substituted on the thiophene ring by at least one halogen atom as a substituent) includes a thienyl-substituted C1-6 alkoxy carbonyl group (which may be substituted on the thiophene ring by 1 to 3
 15 halogen atoms as a substituent), for example, a 2-thienylmethoxycarbonyl group, 3-thienylmethoxycarbonyl group, 2-(2-thienyl)ethoxycarbonyl group, 3-(2-thienyl)propoxycarbonyl group, 3-(3-thienyl)propoxycarbonyl group, 4-(2-thienyl)butoxycarbonyl group, 4-
 20 (3-thienyl)butoxycarbonyl group, 5-(2-thienyl)pentyloxycarbonyl group, 5-(3-thienyl)pentyloxycarbonyl group, 6-(2-thienyl)hexyloxycarbonyl group, 6-(3-thienyl)hexyloxycarbonyl group, 5-chloro-2-thienylmethoxycarbonyl group, 5-chloro-3-thienylmethoxy-
 25 carbonyl group, 2-(4-bromo-2-thienyl)ethoxycarbonyl group, 3-(3-fluoro-2-thienyl)propoxycarbonyl group, 4-(5-iodo-2-thienyl)butoxycarbonyl group, 4-(4-chloro-3-thienyl)butoxycarbonyl group, 5-(3-chloro-2-

thienyl)pentyloxycarbonyl group, 5-(2-chloro-3-thienyl)pentyloxycarbonyl group, 6-(3-chloro-2-thienyl)hexyloxycarbonyl group, 6-(5-chloro-3-thienyl)hexyloxycarbonyl group, (4,5-dichloro-2-thienyl)methoxycarbonyl group, (2,4,5-trichloro-3-thienyl)methoxycarbonyl group or the like.

A thiazolyl-substituted C1-6 alkoxy carbonyl group (which may be substituted on the thiazole ring by at least one group selected from a group consisting of a C1-6 alkyl group and a phenyl group (which may be substituted on the phenyl ring by a halogen-substituted or unsubstituted C1-6 alkyl group)) includes a thiazolyl-substituted C1-6 alkoxy carbonyl group (which may be substituted on the thiazole ring by 1 to 2 groups selected from a group consisting of a C1-6 alkyl group and a phenyl group (which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 halogen-substituted or unsubstituted C1-6 alkyl groups)), for example, a 2-thiazolylmethoxycarbonyl group, 2-(2-thiazolyl)ethoxycarbonyl group, 3-(2-thiazolyl)propoxycarbonyl group, 4-(2-thiazolyl)butoxycarbonyl group, 5-(2-thiazolyl)pentyloxycarbonyl group, 6-(2-thiazolyl)hexyloxycarbonyl group, 4-thiazolylmethoxycarbonyl group, 5-thiazolylmethoxycarbonyl group, 2-methyl-4-thiazolylmethoxycarbonyl group, 2-methyl-5-thiazolylmethoxycarbonyl group, 5-methyl-2-thiazolylmethoxycarbonyl group, 4-methyl-2-thiazolylmethoxycarbonyl group, 5-methyl-4-

thiazolylmethoxycarbonyl group, 4-methyl-5-thiazolyl-
methoxycarbonyl group, 2-ethyl-4-thiazolylmethoxy-
carbonyl group, 2-ethyl-5-thiazolylmethoxycarbonyl
group, 5-ethyl-2-thiazolylmethoxycarbonyl group, 5-
5 propyl-2-thiazolylmethoxycarbonyl group, 4-n-butyl-2-
thiazolylmethoxycarbonyl group, 5-ethyl-4-thiazolyl-
methoxycarbonyl group, 4-n-pentyl-5-thiazolylmethoxy-
carbonyl group, 2-n-hexyl-4-thiazolylmethoxycarbonyl
group, 2-n-hexyl-5-thiazolylmethoxycarbonyl group, 4-n-
10 pentyl-2-thiazolylmethoxycarbonyl group, 5-n-hexyl-2-
thiazolylmethoxycarbonyl group, 4-n-hexyl-2-
thiazolylmethoxycarbonyl group, 5-n-hexyl-4-
thiazolylmethoxycarbonyl group, 4-n-hexyl-5-
thiazolylmethoxycarbonyl group, 2-phenyl-4-
15 thiazolylmethoxycarbonyl group, 2-phenyl-5-
thiazolylmethoxycarbonyl group, 2-phenyl-4-thiazolyl-
methoxycarbonyl group, 4-phenyl-2-thiazolylmethoxy-
carbonyl group, 5-phenyl-2-thiazolylmethoxycarbonyl
group, 2-(4-phenyl-2-thiazolyl)ethoxycarbonyl group, 5-
20 phenyl-4-thiazolylmethoxycarbonyl group, 4-phenyl-5-
thiazolylmethoxycarbonyl group, 5-(2-fluorophenyl)-2-
thiazolylmethoxycarbonyl group, 5-(2-fluorophenyl)-4-
thiazolylmethoxycarbonyl group, 4-(2-fluorophenyl)-5-
thiazolylmethoxycarbonyl group, 2-(2-bromophenyl)-4-
25 thiazolylmethoxycarbonyl group, 2-(2-fluorophenyl)-5-
thiazolylmethoxycarbonyl group, 2-(3-chlorophenyl)-4-
thiazolylmethoxycarbonyl group, 2-(2,3-difluorophenyl)-
5-thiazolylmethoxycarbonyl group, 2-(2,4-dibromo-

phenyl)-4-thiazolylmethoxycarbonyl group, 4-(2,5-dichlorophenyl)-5-thiazolylmethoxycarbonyl group, 2-(2-chlorophenyl)-4-thiazolylmethoxycarbonyl group, 2-(2,4,6-trichlorophenyl)-5-thiazolylmethoxycarbonyl

5 group, 2-(4-chlorophenyl)-4-thiazolylmethoxycarbonyl group, 2-(2-fluorophenyl)-5-thiazolylmethoxycarbonyl group, 2-(4-chlorophenyl)-5-thiazolylmethoxycarbonyl group, 2-(2,4-dichlorophenyl)-5-thiazolylmethoxycarbonyl group, 4-(2-methylphenyl)-5-thiazolylmethoxycarbonyl group, 4-(2-methylphenyl)-5-thiazolylmethoxy-

10 carbonyl group, 2-(2-ethylphenyl)-4-thiazolylmethoxycarbonyl group, 2-(2-n-propylphenyl)-5-thiazolylmethoxycarbonyl group, 2-(3-isopropylphenyl)-4-thiazolylmethoxycarbonyl group, 2-(3-n-butylphenyl)-5-thiazolylmethoxycarbonyl group, 2-(4-n-pentylphenyl)-4-

15 thiazolylmethoxycarbonyl group, 4-(2-n-hexylphenyl)-5-thiazolylmethoxycarbonyl group, 2-(2,4-dimethylphenyl)-4-thiazolylmethoxycarbonyl group, 2-(2,3-dimethylphenyl)-5-thiazolylmethoxycarbonyl group, 2-(2,4,6-trimethylphenyl)-4-thiazolylmethoxycarbonyl group, 2-

20 (2-methylphenyl)-4-methyl-5-thiazolylmethoxycarbonyl group, 2-(4-chlorophenyl)-5-methyl-4-thiazolylmethoxycarbonyl group, 2,4-dimethyl-5-thiazolylmethoxycarbonyl group, 5-(2-trifluoromethylphenyl)-2-thiazolylmethoxycarbonyl group, 5-(2-trifluoromethylphenyl)-4-

25 thiazolylmethoxycarbonyl group, 4-(2-trifluoromethylphenyl)-5-thiazolylmethoxycarbonyl group, 2-(2-trifluoromethylphenyl)-4-thiazolylmethoxycarbonyl group, 2-(2-trifluoromethylphenyl)-5-thiazolylmethoxy-

carbonyl group, 2-(3-trifluoromethylphenyl)-4-thiazolylmethoxycarbonyl group, 2-(3-trifluoromethylphenyl)-5-thiazolylmethoxycarbonyl group, 2-(4-trifluoromethylphenyl)-4-thiazolylmethoxycarbonyl group
 5 or the like.

A tetrazolyl-substituted C1-6 alkoxy carbonyl group (which may be substituted on the tetrazole ring by at least one group selected from a group consisting of a C1-6 alkyl group and a phenyl group which may have
 10 at least one halogen atom as a substituent on the phenyl ring as a substituent) includes a tetrazolyl-substituted C1-6 alkoxy carbonyl group (which may be substituted on the tetrazole ring by a group selected from a group consisting of a C1-6 alkyl group and a
 15 phenyl group which may have 1 to 5, preferably 1 to 3 halogen atoms as a substituent on the phenyl ring, as a substituent), for example, a 5-(1H)-tetrazolyl-methoxycarbonyl group, 2-(5-(1H)-tetrazolyl)ethoxycarbonyl group, 3-(5-(1H)-tetrazolyl)propoxycarbonyl
 20 group, 4-(5-(1H)-tetrazolyl)butoxycarbonyl group, 5-(5-(1H)-tetrazolyl)pentylloxycarbonyl group, 6-(5-(1H)-tetrazolyl)hexylloxycarbonyl group, 1-methyl-5-(1H)-tetrazolylmethoxycarbonyl group, 1-ethyl-5-(1H)-tetrazolylmethoxycarbonyl group, 1-n-propyl-5-(1H)-
 25 tetrazolylmethoxycarbonyl group, 1-n-butyl-5-(1H)-tetrazolylmethoxycarbonyl group, 1-n-pentyl-5-(1H)-tetrazolylmethoxycarbonyl group, 1-n-hexyl-5-(1H)-tetrazolylmethoxycarbonyl group, 1-phenyl-5-(1H)-

tetrazolylmethoxycarbonyl group, 1-(2-fluorophenyl)-5-
 (1H)-tetrazolylmethoxycarbonyl group, 1-(3-
 fluorophenyl)-5-(1H)-tetrazolylmethoxycarbonyl group,
 1-(4-fluorophenyl)-5-(1H)-tetrazolylmethoxycarbonyl
 5 group, 1-(2-chlorophenyl)-5-(1H)-tetrazolylmethoxy-
 carbonyl group, 1-(3-chlorophenyl)-5-(1H)-tetrazolyl-
 methoxycarbonyl group, 1-(4-chlorophenyl)-5-(1H)-
 tetrazolylmethoxycarbonyl group, 1-(2-bromophenyl)-5-
 (1H)-tetrazolylmethoxycarbonyl group, 1-(3-
 10 bromophenyl)-5-(1H)-tetrazolylmethoxycarbonyl group, 1-
 (4-bromophenyl)-5-(1H)-tetrazolylmethoxycarbonyl group,
 2-(1-methyl-5-(1H)-tetrazolyl)ethoxycarbonyl group, 2-
 (1-ethyl-5-(1H)-tetrazolyl)ethoxycarbonyl group, 2-(1-
 propyl-5-(1H)-tetrazolyl)ethoxycarbonyl group, 2-(1-
 15 butyl-5-(1H)-tetrazolyl)ethoxycarbonyl group, 2-(1-
 pentyl-5-(1H)-tetrazolyl)ethoxycarbonyl group, 2-(1-
 hexyl-5-(1H)-tetrazolyl)ethoxycarbonyl group, 2-(1-
 phenyl-5-(1H)-tetrazolyl)ethoxycarbonyl group, 2-(1-
 (2,4-difluorophenyl)-5-(1H)-tetrazolyl)ethoxycarbonyl
 20 group, 2-(1-(3-fluorophenyl)-5-(1H)-tetrazolyl)ethoxy-
 carbonyl group, 2-(1-(4-fluorophenyl)-5-(1H)-
 tetrazolyl)ethoxycarbonyl group, 2-(1-(2,4,6-
 trichlorophenyl)-5-(1H)-tetrazolyl)ethoxycarbonyl
 group, 2-(1-(3-chlorophenyl)-5-(1H)-tetrazolyl)-
 25 ethoxycarbonyl group, 2-(1-(4-chlorophenyl)-5-(1H)-
 tetrazolyl)ethoxycarbonyl group, 2-(1-(2-bromophenyl)-
 5-(1H)-tetrazolyl)ethoxycarbonyl group, 2-(1-(3-
 bromophenyl)-5-(1H)-tetrazolyl)ethoxycarbonyl group, 2-

(1-(4-bromophenyl)-5-(1H)-tetrazolyl)ethoxycarbonyl group or the like.

Examples of a 2,3-dihydro-1H-indenyloxy-carbonyl group include a 2,3-dihydro-1H-inden-1-
5 yloxy-carbonyl group, 2,3-dihydro-1H-inden-2-yloxy-carbonyl group or the like.

Examples of an adamantane-substituted C1-6 alkoxy-carbonyl group include an adamantane-1-ylmethoxy-carbonyl group, 2-(adamantane-1-
10 yl)ethoxy-carbonyl group, 3-(adamantane-1-yl)propoxy-carbonyl group, 4-(adamantane-1-yl)butoxy-carbonyl group, 5-(adamantane-1-yl)pentyloxy-carbonyl group, 6-(adamantane-1-yl)hexyloxy-carbonyl group or the like.

15 Examples of a phenyl C3-6 alkynyloxy-carbonyl group include a 2-phenylethynyloxy-carbonyl group, 3-phenyl-2-propynyloxy-carbonyl group, 4-phenyl-3-butyne-1-yloxy-carbonyl group, 4-phenyl-3-butyne-2-yloxy-carbonyl group, 5-phenyl-4-pentyne-1-yloxy-carbonyl
20 group, 6-phenyl-5-hexyne-1-yloxy-carbonyl group or the like.

Examples of a phenylthio C1-6 alkoxy-carbonyl group include a phenylthiomethoxy-carbonyl group, 2-phenylthioethoxy-carbonyl group, 1-phenylthioethoxy-
25 carbonyl group, 3-(phenylthio)propoxy-carbonyl group, 4-(phenylthio)butoxy-carbonyl group, 5-(phenylthio)-pentyloxy-carbonyl group, 6-(phenylthio)hexyloxy-carbonyl group or the like.

Examples of a phenyl C1-6 alkoxy-substituted C1-6 alkoxycarbonyl group include a benzyloxymethoxycarbonyl group, 2-benzyloxyethoxycarbonyl group, 3-(benzyloxy)propoxycarbonyl group, 4-(benzyloxy)butoxycarbonyl group, 5-(benzyloxy)pentyloxycarbonyl group, 6-(benzyloxy)hexyloxycarbonyl group, 2-phenylethoxymethoxycarbonyl group, 2-phenylethoxyethoxycarbonyl group, 3-(2-phenylethoxy)propoxycarbonyl group, 4-(2-phenylethoxy)butoxycarbonyl group, 5-(2-phenylethoxy)pentyloxycarbonyl group, 6-(2-phenylethoxy)hexyloxycarbonyl group, 3-phenylpropoxymethoxycarbonyl group, 3-phenylpropoxyethoxycarbonyl group, 3-(3-phenylpropoxy)propoxycarbonyl group, 4-(3-phenylpropoxy)butoxycarbonyl group, 5-(3-phenylpropoxy)pentyloxycarbonyl group, 6-(3-phenylpropoxy)hexyloxycarbonyl group, 4-phenylbutoxymethoxycarbonyl group, 4-phenylbutoxyethoxycarbonyl group, 3-(4-phenylbutoxy)propoxycarbonyl group, 4-(4-phenylbutoxy)butoxycarbonyl group, 5-(4-phenylbutoxy)pentyloxycarbonyl group, 6-(4-phenylbutoxy)hexyloxycarbonyl group, 5-phenylpentyloxymethoxycarbonyl group, 5-phenylpentyloxyethoxycarbonyl group, 3-(5-phenylpentyloxy)propoxycarbonyl group, 4-(5-phenylpentyloxy)butoxycarbonyl group, 5-(5-phenylpentyloxy)pentyloxycarbonyl group, 6-(5-phenylpentyloxy)hexyloxycarbonyl group, 6-phenylhexyloxymethoxycarbonyl group, 6-phenylhexyloxyethoxycarbonyl group, 3-(6-phenylhexyloxy)propoxycarbonyl group, 4-(6-phenylhexyloxy)butoxycarbonyl group, 5-(6-

phenylhexyloxy)pentyloxycarbonyl group, 6-(6-phenylhexyloxy)hexyloxycarbonyl group or the like.

Examples of a C2-6 alkenyloxycarbonyl group include a vinyl oxycarbonyl group, 2-propenyloxy-
 5 carbonyl group (trivial name: allyloxycarbonyl group), 2-butene-1-yloxycarbonyl group, 3-butene-1-yloxycarbonyl group, 4-pentene-1-yloxycarbonyl group, 3-pentene-1-yloxycarbonyl group, 5-hexene-1-yloxy-carbonyl group, 4-hexene-1-yloxycarbonyl group, 3-
 10 hexene-1-yloxycarbonyl group or the like.

Examples of a C2-6 alkynyloxycarbonyl group include an acetyleneoxycarbonyl group, 2-propynyloxy-carbonyl group, 2-butyne-1-yloxycarbonyl group, 3-butyne-1-yloxycarbonyl group, 4-pentyne-1-yloxycarbonyl
 15 group, 3-pentyne-1-yloxycarbonyl group, 5-hexyne-1-yloxycarbonyl group, 4-hexyne-1-yloxycarbonyl group, 3-hexyne-1-yloxycarbonyl group or the like.

Examples of a C3-8 cycloalkyl-substituted C1-6 alkoxy carbonyl group include a cyclopropylmethoxy-
 20 carbonyl group, cyclobutylmethoxycarbonyl group, cyclopentylmethoxycarbonyl group, cyclohexylmethoxycarbonyl group, cycloheptylmethoxycarbonyl group, cyclooctylmethoxycarbonyl group, 2-cyclopropylethoxy-carbonyl group, 2-cyclobutylethoxycarbonyl group, 2-
 25 cyclopentylethoxycarbonyl group, 2-cyclohexylethoxy-carbonyl group, 2-cycloheptylethoxycarbonyl group, 3-cyclopropylpropoxycarbonyl group, 3-cyclobutylpropoxy-carbonyl group, 3-cyclopentylpropoxycarbonyl group, 3-

cyclohexylpropoxycarbonyl group, 3-cycloheptylpropoxycarbonyl group, 3-cyclooctylpropoxycarbonyl group, 4-cyclopropylbutoxycarbonyl group, 4-cyclobutylbutoxycarbonyl group, 4-cyclohexylbutoxycarbonyl group, 5-cyclohexylpentyloxycarbonyl group, 6-cyclohexylhexyloxycarbonyl group or the like.

Examples of a benzoyl-substituted C1-6 alkoxy carbonyl group include a benzoylmethoxycarbonyl group, 2-benzoylethoxycarbonyl group, 1-benzoylethoxycarbonyl group, 3-(benzoyl)propoxycarbonyl group, 4-(benzoyl)butoxycarbonyl group, 5-(benzoyl)pentyloxycarbonyl group, 6-(benzoyl)hexyloxycarbonyl group or the like.

Examples of a phenoxy group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group) include a phenoxy group (which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group), for example, a phenoxy group, 2-fluorophenoxy group, 3-fluorophenoxy group, 4-fluorophenoxy group, 2-chlorophenoxy group, 3-chlorophenoxy group, 4-chlorophenoxy group, 2-bromophenoxy group, 3-bromophenoxy group, 4-bromo-

phenoxy group, 2-iodophenoxy group, 3-iodophenoxy
 group, 4-iodophenoxy group, 2,3-difluorophenoxy group,
 3,4-difluorophenoxy group, 3,5-difluorophenoxy group,
 2,4-difluorophenoxy group, 2,6-difluorophenoxy group,
 5 2,3-dichlorophenoxy group, 3,4-dichlorophenoxy group,
 3,5-dichlorophenoxy group, 2,4-dichlorophenoxy group,
 2,6-dichlorophenoxy group, 2,3,4-trifluorophenoxy
 group, 3,4,5-trifluorophenoxy group, 3,4,5-trichloro-
 phenoxy group, 2,4,6-trifluorophenoxy group, 2,3,4,5,6-
 10 pentafluorophenoxy group, 2,4,6-trichlorophenoxy group,
 2-fluoro-4-chlorophenoxy group, 2-fluoro-4-bromophenoxy
 group, 3-fluoro-4-chlorophenoxy group, 2-methylphenoxy
 group, 3-methylphenoxy group, 4-methylphenoxy group,
 2,6-dimethylphenoxy group, 2,4,6-trimethylphenoxy
 15 group, 2-methyl-3-chlorophenoxy group, 3-methyl-4-
 chlorophenoxy group, 2-chloro-4-methylphenoxy group, 2-
 methyl-3-fluorophenoxy group, 2-trifluoromethylphenoxy
 group, 3-trifluoromethylphenoxy group, 4-trifluoro-
 methylphenoxy group, 3,5-di(trifluoromethyl)phenoxy
 20 group, 3,4-di(trifluoromethyl)phenoxy group, 2,4-
 di(trifluoromethyl)phenoxy group, 2-pentafluoroethyl-
 phenoxy group, 3-pentafluoroethylphenoxy group, 4-
 pentafluoroethylphenoxy group, 2-isopropylphenoxy
 group, 3-isopropylphenoxy group, 4-isopropylphenoxy
 25 group, 2-tert-butylphenoxy group, 3-tert-butylphenoxy
 group, 4-tert-butylphenoxy group, 2-sec-butylphenoxy
 group, 3-sec-butylphenoxy group, 4-sec-butylphenoxy
 group, 4-n-butylphenoxy group, 4-n-pentylphenoxy group,

4-n-hexylphenoxy group, 2-n-heptafluoropropylphenoxy group, 3-n-heptafluoropropylphenoxy group, 4-n-heptafluoropropylphenoxy group, 4-pentylphenoxy group, 4-hexylphenoxy group, 2-methoxyphenoxy group, 3-

5 methoxyphenoxy group, 4-methoxyphenoxy group, 2-methoxy-3-chlorophenoxy group, 2-fluoro-3-methoxyphenoxy group, 2-fluoro-4-methoxyphenoxy group, 2-fluoro-4-bromophenoxy group, 4-chloro-3-fluorophenoxy group, 2,3,4-trichlorophenoxy group, 3,4,5-trifluoro-

10 phenoxy group, 2,4,6-trichlorophenoxy group, 2,4-dimethylphenoxy group, 2,3-dimethylphenoxy group, 3,5-dimethylphenoxy group, 2,5-dimethylphenoxy group, 4-isopropoxyphenoxy group, 4-n-butoxyphenoxy group, 2,4-dimethoxyphenoxy group, 2,3-dimethoxyphenoxy group,

15 3,5-dimethoxyphenoxy group, 2,5-dimethoxyphenoxy group, 2,4,6-trimethoxyphenoxy group, 3,5-di(trifluoromethoxy)phenoxy group, 3-chloro-4-methoxyphenoxy group, 2-chloro-4-trifluoromethoxyphenoxy group, 3-methyl-4-fluorophenoxy group, 4-bromo-3-trifluoromethylphenoxy

20 group, 2,6-dimethoxyphenoxy group, 2-trifluoromethoxyphenoxy group, 3-trifluoromethoxyphenoxy group, 4-trifluoromethoxyphenoxy group, 2,3-di(trifluoromethoxy)phenoxy group, 2,4-di(trifluoromethoxy)phenoxy group, 2-pentafluoroethoxyphenoxy group, 3-pentafluoro-

25 ethoxyphenoxy group, 4-pentafluoroethoxyphenoxy group, 2-isopropoxyphenoxy group, 3-isopropoxyphenoxy group, 4-isopropoxyphenoxy group, 2-tert-butoxyphenoxy group, 3-tert-butoxyphenoxy group, 4-tert-butoxyphenoxy group,

2-sec-butoxyphenoxy group, 3-sec-butoxyphenoxy group,
 4-sec-butoxyphenoxy group, 4-n-hexyloxyphenoxy group,
 2-n-heptafluoropropoxyphenoxy group, 3-n-heptafluoro-
 propoxyphenoxy group, 4-n-heptafluoropropoxyphenoxy
 5 group or the like.

Examples of an 8-azabicyclo[3,2,1]octyl group
 (which may be substituted on the 8-azabicyclo[3,2,1]-
 octane ring by at least one phenoxy group (which may be
 substituted on the phenyl ring by at least one group
 10 selected from a group consisting of a halogen atom,
 halogen-substituted or unsubstituted C1-6 alkyl group
 and halogen-substituted or unsubstituted C1-6 alkoxy
 group)) include an 8-azabicyclo[3,2,1]octyl group
 (which may be substituted on the 8-azabicyclo[3,2,1]-
 15 octane ring by at least one phenoxy group (which may be
 substituted on the phenyl ring by 1 to 5, preferably 1
 to 3 groups selected from a group consisting of a
 halogen atom, halogen-substituted or unsubstituted C1-6
 alkyl group and halogen-substituted or unsubstituted
 20 C1-6 alkoxy group)), for example, an 8-azabicyclo-
 [3,2,1]octan-8-yl group, 3-phenoxy-8-azabicyclo[3,2,1]-
 octan-8-yl group, 3-(3-chlorophenoxy)-8-azabicyclo-
 [3,2,1]octan-1-yl group, 3-(4-bromophenoxy)-8-
 azabicyclo[3,2,1]octan-8-yl group, 3-(2-fluorophenoxy)-
 25 8-azabicyclo[3,2,1]octan-8-yl group, 3-(3-iodophenoxy)-
 8-azabicyclo[3,2,1]octan-8-yl group, 3-(3-trifluoro-
 methylphenoxy)-8-azabicyclo[3,2,1]octan-1-yl group, 3-
 (3-methylphenoxy)-8-azabicyclo[3,2,1]octan-1-yl group,

3-(4-methoxyphenoxy)-8-azabicyclo[3,2,1]octan-1-yl group, 3-(3,5-ditrifluoromethylphenoxy)-8-azabicyclo[3,2,1]octan-1-yl group, 3-(3-trifluoromethyl-4-fluorophenoxy)-8-azabicyclo[3,2,1]octan-1-yl group, 3-
 5 (2-trifluoromethoxy-3-chlorophenoxy)-8-azabicyclo[3,2,1]octan-1-yl group, 3-(2,4-difluorophenoxy)-8-azabicyclo[3,2,1]octan-1-yl group, 3-(2,4,6-trichlorophenoxy)-8-azabicyclo[3,2,1]octan-1-yl group, 3-(4-trifluoromethylphenoxy)-8-azabicyclo[3,2,1]octan-
 10 1-yl group, 3-(3-trifluoromethoxyphenoxy)-8-azabicyclo[3,2,1]octan-1-yl group, 3-(4-trifluoromethoxyphenoxy)-8-azabicyclo[3,2,1]octan-1-yl group or the like.

Examples of a group represented by a pyridyl group (which may be substituted on the pyridine ring by
 15 at least one halogen-substituted or unsubstituted C1-6 alkyl group as a substituent) include a pyridyl group (which may be substituted on the pyridine ring by 1 to 3 halogen-substituted or unsubstituted C1-6 alkyl
 20 groups as a substituent), for example, a pyridin-3-yl group, pyridin-2-yl group, pyridin-4-yl group, 4-trifluoromethylpyridin-2-yl group, 4-trifluoromethylpyridin-3-yl group, 5-trifluoromethylpyridin-2-yl group, 5-trifluoromethylpyridin-3-yl group, 2-
 25 trifluoromethylpyridin-3-yl group, 2,4-dimethylpyridin-3-yl group, 3,4,5-trimethylpyridin-2-yl group, 4-ethylpyridin-2-yl group, 3-n-butylpyridin-2-yl group, 5-n-pentylpyridin-2-yl group, 4-n-hexylpyridin-2-yl

group or the like.

R^{47} and R^{48} may form a 5-membered to 7-membered saturated heterocycle by bonding to each other through or not through other hetero atoms together with the
5 adjacent nitrogen atom. The heterocycle may be substituted by at least one phenyl group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group
10 or halogen-substituted or unsubstituted C1-6 alkoxy group) as a substituent) and include the heterocycle (which may be substituted on the heterocycle by 1 to 3 phenyl groups (which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from
15 a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group or halogen-substituted or unsubstituted C1-6 alkoxy group) as a substituent), examples of which include a pyrrolidinyl group, morpholino group, thiomorpholino
20 group, piperazyl group, piperidyl group, homopiperazyl group, 4-phenylpiperazin-1-yl group, 4-phenylpiperidin-1-yl group, 4-(3-chlorophenyl)piperazin-1-yl group, 4-(4-chlorophenyl)piperazin-1-yl group, 4-(3,4-dichlorophenyl)piperazin-1-yl group, 4-(3-trifluoro-
25 methylphenyl)piperazin-1-yl group, 4-(4-trifluoromethylphenyl)piperazin-1-yl group, 4-(3-trifluoromethoxyphenyl)piperazin-1-yl group, 4-(4-trifluoromethoxyphenyl)piperazin-1-yl group; 4-phenylpiperidin-

- 1-yl group, 4-(3-chlorophenyl)piperidin-1-yl group, 4-(4-chlorophenyl)piperidin-1-yl group, 4-(3,4-dichlorophenyl)piperidin-1-yl group, 4-(3-trifluoromethylphenyl)piperidin-1-yl group, 4-(4-trifluoromethylphenyl)piperidin-1-yl group, 4-(3-trifluoromethoxyphenyl)piperidin-1-yl group, 4-(4-trifluoromethoxyphenyl)piperidin-1-yl group, 4-(2,4,6-trifluorophenyl)piperazin-1-yl group, 4-(4-methylphenyl)piperazin-1-yl group, 4-(3-methoxyphenyl)piperazin-1-yl group, 4-(3,4-dimethoxyphenyl)piperazin-1-yl group, 4-(2,4-dimethylphenyl)piperazin-1-yl group, 4-(2,4,6-trimethoxyphenyl)piperazin-1-yl group, 4-(3,4,5-trimethylphenyl)piperazin-1-yl group, 4-(2,4,6-trifluorophenyl)piperidin-1-yl group, 4-(2,3,4,5,6-pentafluorophenyl)piperidin-1-yl group, 4-(4-methylphenyl)piperidin-1-yl group, 4-(3-methoxyphenyl)piperidin-1-yl group, 4-(3,4-dimethoxyphenyl)piperidin-1-yl group, 4-(2,4-dimethylphenyl)piperidin-1-yl group, 4-(2,4,6-trimethoxyphenyl)piperidin-1-yl group, 4-(3,4,5-trimethylphenyl)piperidin-1-yl group, 3-(4-methylphenyl)morpholino group, 3-(3-methoxyphenyl)pyrrolidinyl-1-yl group, 2-(4-methylphenyl)pyrrolidinyl-1-yl group, 4-(2,4,6-trimethoxyphenyl)homopiperazin-1-yl group, 4-(3,4,5-trimethylphenyl)thiomorpholino group, 2,4-diphenylpiperazin-1-yl group, 2,4,6-triphenylpiperazin-1-yl group, 4-phenylpiperazin-1-yl group, 4-phenylpiperidin-1-yl group, 3-(3-chlorophenyl)pyrrolidin-1-yl group, 3-(4-chlorophenyl)-

morpholino group, 4-(3,4-dichlorophenyl)homopiperazin-
 1-yl group, 3-(3-trifluoromethylphenyl)thiomorpholino
 group, 2-(4-trifluoromethylphenyl)pyrrolidin-1-yl
 group, 2-(3-trifluoromethoxyphenyl)morpholino group, 3-
 5 (4-trifluoromethoxyphenyl)homopiperazin-1-yl group, 3-
 phenylpyrrolidin-1-yl group, 4-(3-chlorophenyl)-
 morpholino group, 4-(4-chlorophenyl)homopiperidin-1-yl
 group, 3-(3,4-dichlorophenyl)thiomorpholino group, 3-
 (3-trifluoromethylphenyl)pyrrolidin-1-yl group, 4-(4-
 10 trifluoromethylphenyl)homopiperazin-1-yl group, 3-
 phenylthiomorpholino group, 4-phenylmorpholino group or
 the like.

Examples of an amino-substituted C2-6 alkenyl
 group (which may be substituted on the amino group by
 15 at least one group selected from a group consisting of
 a C1-6 alkyl group and a phenyl group (which may be
 substituted on the phenyl ring by at least one group
 selected from a group consisting of a halogen atom,
 halogen-substituted or unsubstituted C1-6 alkyl group
 20 and halogen-substituted or unsubstituted C1-6 alkoxy
 group)) include an amino-substituted C2-6 alkenyl group
 (which may be substituted on the amino group by 1 to 2
 groups selected from a group consisting of a C1-6 alkyl
 group and a phenyl group (which may be substituted on
 25 the phenyl ring by 1 to 5, preferably 1 to 3 groups
 selected from a group consisting of a halogen atom,
 halogen-substituted or unsubstituted C1-6 alkyl group
 and halogen-substituted or unsubstituted C1-6 alkoxy

group)), for example, an aminovinyl group, 3-amino-2-propenyl group, 3-amino-1-propenyl group, 4-amino-3-butenyl group, 4-amino-3-butenyl group, 5-amino-4-pentenyl group, 6-amino-5-hexenyl group, methylamino-

5 vinyl group, 3-methylamino-2-propenyl group, 3-methylamino-1-propenyl group, 4-methylamino-3-butenyl group, 4-methylamino-3-butenyl group, 5-methylamino-4-pentenyl group, 6-methylamino-5-hexenyl group, methylaminovinyl group, 3-methylamino-2-propenyl group,

10 3-dimethylamino-2-propenyl group, 3-ethylamino-1-propenyl group, 3-diethylamino-1-propenyl group, 4-ethylamino-3-butenyl group, 4-dimethylamino-3-butenyl group, 4-diethylamino-3-butenyl group, 5-ethylamino-4-pentenyl group, 6-ethylamino-5-hexenyl group, n-

15 propylaminovinyl group, 3-n-propylamino-2-propenyl group, 3-n-propylamino-1-propenyl group, 4-n-propylamino-3-butenyl group, 4-n-propylamino-3-butenyl group, 5-n-propylamino-4-pentenyl group, 6-n-propylamino-5-hexenyl group, n-butylaminovinyl group,

20 3-n-butylamino-2-propenyl group, 3-n-butylamino-1-propenyl group, 4-n-butylamino-3-butenyl group, 4-n-butylamino-3-butenyl group, 5-n-butylamino-4-pentenyl group, 6-n-butylamino-5-hexenyl group, n-pentylamino-vinyl group, 3-n-pentylamino-2-propenyl group, 3-n-

25 hexylamino-1-propenyl group, 4-n-hexylamino-3-butenyl group, 4-n-hexylamino-3-butenyl group, 5-n-hexylamino-4-pentenyl group, 6-n-pentylamino-5-hexenyl group, phenylaminovinyl group, 3-phenylamino-2-propenyl group,

3-phenylamino-1-propenyl group, 4-phenylamino-3-butenyl group, 4-phenylamino-3-butenyl group, 5-phenylamino-4-pentenyl group, 6-phenylamino-5-hexenyl group, 4-chlorophenylaminovinyl group, 3-(4-bromophenyl)amino-2-propenyl group, 3-(2,4-dichlorophenyl)amino-1-propenyl group, 4-(2,4,6-trichlorophenyl)amino-3-butenyl group, 4-(2,3,4,5,6-pentafluorophenyl)amino-3-butenyl group, 4-(4-fluorophenyl)amino-3-butenyl group, 5-(4-iodophenyl)amino-4-pentenyl group, 6-(4-chlorophenyl)amino-5-hexenyl group, (3-methylphenyl)aminovinyl group, (4-trifluoromethylphenyl)aminovinyl group, 3-(4-trifluoromethylphenyl)amino-2-propenyl group, 3-(4-trifluoromethylphenyl)amino-1-propenyl group, 4-(4-trifluoromethylphenyl)amino-3-butenyl group, 5-(3,4-dimethylphenyl)amino-4-pentenyl group, 6-(3,4,5-trimethylphenyl)amino-5-hexenyl group, (2-methoxyphenyl)aminovinyl group, (4-trifluoromethoxyphenyl)aminovinyl group, 3-(4-trifluoromethoxyphenyl)amino-2-propenyl group, 3-(3,5-dimethoxyphenyl)amino-1-propenyl group, 4-(2,5-dimethoxyphenyl)amino-3-butenyl group, 4-(2,4,6-trimethoxyphenyl)amino-3-butenyl group, 5-[N-methyl-N-(4-trifluoromethylphenyl)amino]-4-pentenyl group, 6-[N-ethyl-N-(4-trifluoromethoxyphenyl)amino]-5-hexenyl group or the like.

Examples of an oxazolidinyl group (which may be substituted on the oxazolidine ring by at least one oxo group as a substituent) include an oxazolidin-4-yl group, oxazolidin-5-yl group, 2-oxazolidin-4-yl group,

2-oxo-oxazolidin-5-yl group or the like.

Examples of a phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a phenoxy group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group); halogen atom; halogen-substituted or unsubstituted C1-6 alkyl group; halogen-substituted or unsubstituted C1-6 alkoxy group; amino group which may have at least one group selected from a group consisting of a C1-6 alkyl group and a phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom; a halogen-substituted or unsubstituted C1-6 alkyl group and a halogen-substituted or unsubstituted C1-6 alkoxy group); a piperazinyl group (which may be substituted on the piperazine ring by at least one phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group and a halogen-substituted or unsubstituted C1-6 alkoxy group) as a substituent); and a piperidyl group (which may have at least one amino group which may have a group selected from a group consisting of a C1-6 alkyl group and a phenyl group

(which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group) as a substituent on the piperidine ring) include a phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a phenoxy group (which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group); halogen atom; halogen-substituted or unsubstituted C1-6 alkyl group; halogen-substituted or unsubstituted C1-6 alkoxy group; amino group which may have 1 to 2 groups selected from a group consisting of a C1-6 alkyl group and a phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group and a halogen-substituted or unsubstituted C1-6 alkoxy group); a piperazinyl group (which may be substituted on the piperazine ring by 1 to 3 groups selected from a group consisting of a phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a

halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group and a halogen-substituted or unsubstituted C1-6 alkoxy group) as a substituent); and a piperidyl group (which may have 1 to 3 amino groups which may have 1 to 2 groups selected from a group consisting of the C1-6 alkyl group and a phenyl group (which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group) as a substituent on the piperidine ring), for example, a benzyl group, 1-phenethyl group, 2-phenethyl group, 3-phenylpropyl group, 2-phenylpropyl group, 4-phenylbutyl group, 5-phenylpentyl group, 4-phenylpentyl group, 6-phenylhexyl group, 2-fluorobenzyl group, 3-fluorobenzyl group, 4-fluorobenzyl group, 2-chlorobenzyl group, 3-chlorobenzyl group, 4-chlorobenzyl group, 2-bromobenzyl group, 3-bromobenzyl group, 4-bromobenzyl group, 2-iodobenzyl group, 3-iodobenzyl group, 4-iodobenzyl group, 2,3-difluorobenzyl group, 3,4-difluorobenzyl group, 3,5-difluorobenzyl group, 2,3,4,5,6-pentafluorobenzyl group, 2,4-difluorobenzyl group, 2,6-difluorobenzyl group, 2,3-dichlorobenzyl group, 3,4-dichlorobenzyl group, 3,5-dichlorobenzyl group, 2,4-dichlorobenzyl group, 2,6-dichlorobenzyl group, 2-fluoro-4-bromobenzyl group, 4-chloro-3-fluorobenzyl group, 2,3,4-trichlorobenzyl group, 3,4,5-trifluorobenzyl

group, 2,4,6-trichlorobenzyl group, 4-isopropylbenzyl group, 4-n-butylbenzyl group, 4-methylbenzyl group, 2-methylbenzyl group, 3-methylbenzyl group, 2,4-dimethylbenzyl group, 2,3-dimethylbenzyl group, 2,6-dimethylbenzyl group, 3,5-dimethylbenzyl group, 2,5-dimethylbenzyl group, 2,4,6-trimethylbenzyl group, 3,5-ditrifluoromethylbenzyl group, 2,3,4,5,6-pentafluorobenzyl group, 4-isopropoxybenzyl group, 4-n-butoxybenzyl group, 4-methoxybenzyl group, 2-methoxybenzyl group, 3-methoxybenzyl group, 2,4-dimethoxybenzyl group, 2,3-dimethoxybenzyl group, 2,6-dimethoxybenzyl group, 3,5-dimethoxybenzyl group, 2,5-dimethoxybenzyl group, 2,4,6-trimethoxybenzyl group, 3,5-ditrifluoromethoxybenzyl group, 2-isopropoxybenzyl group, 3-chloro-4-methoxybenzyl group, 2-chloro-4-trifluoromethoxybenzyl group, 3-methyl-4-fluorobenzyl group, 4-bromo-3-trifluoromethylbenzyl group, 2-trifluoromethylbenzyl group, 3-trifluoromethylbenzyl group, 4-trifluoromethylbenzyl group, 2-pentafluoroethylbenzyl group, 3-pentafluoroethylbenzyl group, 4-pentafluoroethylbenzyl group, 2-trifluoromethoxybenzyl group, 3-trifluoromethoxybenzyl group, 4-trifluoromethoxybenzyl group, 2-pentafluoroethoxybenzyl group, 3-pentafluoroethoxybenzyl group, 4-pentafluoroethoxybenzyl group, 2-(2-trifluoromethylphenyl)ethyl group, 2-(3-trifluoromethylphenyl)ethyl group, 2-(4-trifluoromethylphenyl)ethyl group, 2-(2-trifluoromethoxyphenyl)ethyl group, 2-(3-(trifluoromethoxyphenyl)ethyl group,

2-(4-trifluoromethoxyphenyl)ethyl group, 2-(2-
 pentafluoroethoxyphenyl)ethyl group, 2-(3-pentafluoro-
 ethoxyphenyl)ethyl group, 2-(4-pentafluoroethoxy-
 phenyl)ethyl group, 3-(2-trifluoromethylphenyl)propyl
 5 group, 3-(3-trifluoromethylphenyl)propyl group, 3-(4-
 trifluoromethylphenyl)propyl group, 3-(2-trifluoro-
 methoxyphenyl)propyl group, 3-(3-trifluoromethoxy-
 phenyl)propyl group, 3-(4-trifluoromethoxyphenyl)propyl
 group, 3-(3-pentafluoroethoxyphenyl)propyl group, 3-(4-
 10 pentafluoroethoxyphenyl)propyl group, 4-(3-pentafluoro-
 ethoxyphenyl)butyl group, 5-(4-trifluoromethylphenyl)-
 pentyl group, 4-(4-trifluoromethylphenyl)pentyl group,
 4-(4-trifluoromethoxyphenyl)pentyl group, 6-(3-
 trifluoromethylphenyl)hexyl group, 6-(4-trifluoro-
 15 methylphenyl)hexyl group, 6-(4-trifluoromethoxy-
 phenyl)hexyl group, 2-aminobenzyl group, 2,4-
 diaminobenzyl group, 2,4,6-triaminobenzyl group, 2-
 methylaminobenzyl group, 2-benzylaminobenzyl group, 2-
 fluorobenzylaminobenzyl group, 3-fluorobenzylamino-
 20 benzyl group, 4-fluorobenzylaminobenzyl group, 2-
 chlorobenzyl group, 3-chlorobenzylaminobenzyl group, 4-
 chlorobenzylaminobenzyl group, 2-bromobenzylaminobenzyl
 group, 3-bromobenzylaminobenzyl group, 4-bromobenzyl-
 aminobenzyl group, 2-iodobenzylaminobenzyl group, 3-
 25 iodobenzylaminobenzyl group, 4-iodobenzylaminobenzyl
 group, 2,3-difluorobenzylaminobenzyl group, 3,4-
 difluorobenzylaminobenzyl group, 3,5-difluorobenzyl-
 aminobenzyl group, 2,3,4,5,6-pentafluorobenzylamino-

benzyl group, 2,4-difluorobenzylaminobenzyl group, 2,6-difluorobenzylaminobenzyl group, 2,3-dichlorobenzylaminobenzyl group, 3,4-dichlorobenzylaminobenzyl group, 3,5-dichlorobenzylaminobenzyl group, 2,4-dichloro-
5 benzylaminobenzyl group, 2,6-dichlorobenzylaminobenzyl group, 2-fluoro-4-bromobenzylaminobenzyl group, 4-chloro-3-fluorobenzylaminobenzyl group, 2,3,4-trichlorobenzylaminobenzyl group, 3,4,5-trifluorobenzylaminobenzyl group, 2,4,6-trichlorobenzylamino-
10 benzyl group, 4-isopropylbenzylaminobenzyl group, 4-n-butylbenzylaminobenzyl group, 4-methylbenzylaminobenzyl group, 2-methylbenzylaminobenzyl group, 3-methylbenzylaminobenzyl group, 2,4-dimethylbenzylaminobenzyl group, 2,3-dimethylbenzylaminobenzyl group, 2,6-dimethyl-
15 benzylaminobenzyl group, 3,5-dimethylbenzylaminobenzyl group, 2,5-dimethylbenzylaminobenzyl group, 2,4,6-trimethylbenzylaminobenzyl group, 3,5-ditrifluoromethylbenzylaminobenzyl group, 2,3,4,5,6-pentafluorobenzylaminobenzyl group, 4-isopropoxybenzyl-
20 aminobenzyl group, 4-n-butoxybenzylaminobenzyl group, 4-methoxybenzylaminobenzyl group, 2-methoxybenzylaminobenzyl group, 3-methoxybenzylaminobenzyl group, 2,4-dimethoxybenzylaminobenzyl group, 2,3-dimethoxybenzylaminobenzyl group, 2,6-dimethoxybenzylaminobenzyl
25 group, 3,5-dimethoxybenzylaminobenzyl group, 2,5-dimethoxybenzylaminobenzyl group, 2,4,6-trimethoxybenzylaminobenzyl group, 3,5-ditrifluoromethoxybenzylaminobenzyl group, 2-isopropoxybenzylaminobenzyl

group, 3-chloro-4-methoxybenzylaminobenzyl group, 2-chloro-4-trifluoromethoxybenzylaminobenzyl group, 3-methyl-4-fluorobenzylaminobenzyl group, 4-bromo-3-trifluoromethylbenzylaminobenzyl group, 2-trifluoro-

5 methylbenzylaminobenzyl group, 3-trifluoromethylbenzylaminobenzyl group, 4-trifluoromethylbenzylaminobenzyl group, 2-pentafluoroethoxybenzylaminobenzyl group, 3-pentafluoroethoxybenzylaminobenzyl group, 4-pentafluoroethoxybenzylaminobenzyl group, 2-trifluoro-

10 methoxybenzylaminobenzyl group, 3-trifluoromethoxybenzylaminobenzyl group, 4-trifluoromethoxybenzylaminobenzyl group, 2-pentafluoroethoxybenzylaminobenzyl group, 3-pentafluoroethoxybenzylaminobenzyl group, 4-pentafluoroethoxybenzylaminobenzyl group, 3-(N-methyl-

15 N-benzylamino)benzyl group, 4-(dibenzylamino)benzyl group, 2-dimethylaminobenzyl group, 3-dimethylaminobenzyl group, 4-dimethylaminobenzyl group, 2-(2-dimethylaminophenyl)ethyl group, 2-(3-dimethylaminophenyl)ethyl group, 2-(4-dimethylaminophenyl)ethyl

20 group, 3-(2-dimethylaminophenyl)propyl group, 3-(3-dimethylaminophenyl)propyl group, 3-(4-dimethylaminophenyl)propyl group, 2-phenoxybenzyl group, 2,3-diphenoxybenzyl group, 2,4,6-triphenoxybenzyl group, 2-(2-fluorophenoxy)benzyl group, 3-(3-fluorophenoxy)-

25 benzyl group, 4-(4-fluorophenoxy)benzyl group, 2-(2-chlorophenoxy)benzyl group, 3-(3-chlorophenoxy)benzyl group, 4-(4-chlorophenoxy)benzyl group, 2-(2-bromophenoxy)benzyl group, 3-(3-bromophenoxy)benzyl

group, 4-(4-bromophenoxy)benzyl group, 2-(2-iodophenoxy)benzyl group, 3-(3-iodophenoxy)benzyl group, 4-(4-iodophenoxy)benzyl group, 3-(2,3-difluorophenoxy)benzyl group, 4-(3,4-difluorophenoxy)-

5 benzyl group, 2-(3,5-difluorophenoxy)benzyl group, 4-(2,3,4,5,6-pentafluorophenoxy)benzyl group, 2-(2,4-difluorophenoxy)benzyl group, 4-(2,6-difluorophenoxy)-

benzyl group, 3-(2,3-dichlorophenoxy)benzyl group, 2-(3,4-dichlorophenoxy)benzyl group, 4-(3,5-dichloro-

10 phenoxy)benzyl group, 3-(2,4-dichlorophenoxy)benzyl group, 4-(2,6-dichlorophenoxy)benzyl group, 4-(2-fluoro-4-bromophenoxy)benzyl group, 3-(4-chloro-3-fluorophenoxy)benzyl group, 4-(2,3,4-trichlorophenoxy)-

benzyl group, 4-(3,4,5-trifluorophenoxy)benzyl group,

15 4-(2,4,6-trichlorophenoxy)benzyl group, 2-(4-isopropylphenoxy)benzyl group, 3-(4-n-butylphenoxy)benzyl group, 4-(4-methylphenoxy)benzyl group, 3-(2-methylphenoxy)-

benzyl group, 2-(3-methylphenoxy)benzyl group, 2-(2,4-dimethylphenoxy)benzyl group, 3-(2,3-dimethylphenoxy)-

20 benzyl group, 4-(2,6-dimethylphenoxy)benzyl group, 2-(3,5-dimethylphenoxy)benzyl group, 3-(2,5-dimethylphenoxy)benzyl group, 2-(2,4,6-trimethylphenoxy)benzyl group, 3-(3,5-ditrifluoromethylphenoxy)benzyl group, 4-(2,3,4,5,6-pentafluorophenoxy)benzyl group, 2-(4-

25 isopropoxyphenoxy)benzyl group, 2-(4-n-butoxyphenoxy)-

benzyl group, 2-(4-methoxyphenoxy)benzyl group, 3-(2-methoxyphenoxy)benzyl group, 4-(3-methoxyphenoxy)benzyl group, 2-(2,4-dimethoxyphenoxy)benzyl group, 3-(2,3-

dimethoxyphenoxy)benzyl group, 4-(2,6-dimethoxy-
 phenoxy)benzyl group, 2-(3,5-dimethoxyphenoxy)benzyl
 group, 3-(2,5-dimethoxyphenoxy)benzyl group, 4-(2,4,6-
 trimethoxyphenoxy)benzyl group, 2-(3,5-ditrifluoro-
 5 methoxyphenoxy)benzyl group, 3-(2-isopropoxyphenoxy)-
 benzyl group, 4-(3-chloro-4-methoxyphenoxy)benzyl
 group, 3-(2-chloro-4-trifluoromethoxyphenoxy)benzyl
 group, 2-(3-methyl-4-fluorophenoxy)benzyl group, 3-(4-
 bromo-3-trifluoromethylphenoxy)benzyl group, 4-(2-
 10 trifluoromethylphenoxy)benzyl group, 2-(3-trifluoro-
 methylphenoxy)benzyl group, 3-(4-trifluoromethyl-
 phenoxy)benzyl group, 4-(2-pentafluoromethylphenoxy)-
 benzyl group, 2-(3-pentafluoroethylphenoxy)benzyl
 group, 3-(4-pentafluoroethylphenoxy)benzyl group, 4-(2-
 15 trifluoromethoxyphenoxy)benzyl group, 2-(3-trifluoro-
 methoxyphenoxy)benzyl group, 3-(4-trifluoromethoxy-
 phenoxy)benzyl group, 4-(2-pentafluoroethoxyphenoxy)-
 benzyl group, 2-(3-pentafluoroethoxyphenoxy)benzyl
 group, 3-(4-pentafluoroethoxyphenoxy)benzyl group, 2-
 20 [3-(2-trifluoromethylphenoxy)phenyl]ethyl group, 2-[3-
 (3-trifluoromethylphenoxy)phenyl]ethyl group, 2-[4-(4-
 trifluoromethylphenoxy)phenyl]ethyl group, 3-[4-(2-
 trifluoromethylphenoxy)phenyl]propyl group, 4-[3-(3-
 pentafluoroethoxyphenoxy)phenyl]butyl group, 5-[4-(4-
 25 trifluoromethylphenoxy)phenyl]pentyl group, 6-[2-(3-
 trifluoromethylphenoxy)phenyl]hexyl group, 4-(1-
 piperazinyl)benzyl group, 4-(1-piperidinyl)benzyl
 group, 4-(4-benzyl-1-piperanzinyl)benzyl group, 4-(4-

(3-chlorobenzyl)-1-piperanzinyl)benzyl group, 4-(4-(2,4-dimethylbenzyl)-1-piperanzinyl)benzyl group, 4-(4-(2,4-dimethylbenzyl)-1-piperanzinyl)benzyl group, 4-(2,4-dibenzyl-1-piperanzinyl)benzyl group, 4-(2,3,4-
5 tribenzyl-1-piperanzinyl)benzyl group, 4-(4-(4-trifluoromethylbenzyl)-1-piperanzinyl)benzyl group, 4-(4-anilino-1-piperidinyl)benzyl group, 4-(4-(3-trifluoromethylbenzyl)-1-piperanzinyl)benzyl group, 4-[4-(N-methylanilino)-1-piperidinyl]benzyl group, 4-[4-(N-methyl-3-chloroanilino)-1-piperidinyl)benzyl group,
10 4-[4-(2,4-dimethylanilino)-1-piperidinyl]benzyl group, 4-[4-(N-methyl-2,4,6-trimethoxyanilino)-1-piperidinyl]-benzyl group, 4-[4-(4-trifluoromethoxyanilino)-1-piperidinyl]benzyl group, 4-[4-(N-methyl-3-trifluoro-
15 methylanilino)-1-piperidinyl]benzyl group, 4-(3,4-dianilino-1-piperidinyl)benzyl group, 4-(3,4,5-trianilino-1-piperidinyl)benzyl group or the like.

Examples of an amino C1-6 alkyl group (which may be substituted on the amino group by at least one
20 group selected from a group consisting of C1-6 alkyl group, C1-6 alkoxycarbonyl group and phenyl group which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom or a halogen-substituted or unsubstituted C1-6
25 alkyl group) include an amino C1-6 alkyl group (which may be substituted on the amino group by 1 to 2 groups selected from a group consisting of C1-6 alkyl groups, C1-6 alkoxycarbonyl group and phenyl groups which may

be substituted on the phenyl group by 1 to 5,
preferably 1 to 3 groups selected from a group
consisting of a halogen atom or a halogen-substituted
or unsubstituted C1-6 alkyl group), for example, an
5 aminomethyl group, 2-aminoethyl group, 1-aminoethyl
group, 3-aminopropyl group, 4-aminobutyl group, 5-
aminopentyl group, 6-aminohexyl group, 2-methyl-3-
aminopropyl group, 1,1-dimethyl-2-aminoethyl group, 2-
(methylamino)ethyl group, 3-(methylamino)propyl group,
10 4-(methylamino)butyl group, 5-(methylamino)pentyl
group, 6-(methylamino)hexyl group, 2-(N-methyl-N-
methoxycarbonylamino)ethyl group, 3-(N-methyl-N-
methoxycarbonylamino)propyl group, 4-(N-methyl-N-
methoxycarbonylamino)butyl group, 5-(N-methyl-N-
15 methoxycarbonylamino)pentyl group, 6-(N-methyl-N-
methoxycarbonylamino)hexyl group, 2-(N-ethoxycarbonyl-
N-methylamino)ethyl group, 3-(N-ethoxycarbonyl-N-
methylamino)propyl group, 4-(N-ethoxycarbonyl-N-
methylamino)butyl group, 5-(N-ethoxycarbonyl-N-
20 methylamino)pentyl group, 6-(N-ethoxycarbonyl-N-
methylamino)hexyl group, 2-[N-methyl-N-(n-propoxy-
carbonylamino)]ethyl group, 3-[N-methyl-N-(n-
propoxycarbonylamino)]propyl group, 4-[N-methyl-N-(n-
propoxycarbonylamino)]butyl group, 5-[N-methyl-N-(n-
25 propoxycarbonylamino)]pentyl group, 6-[N-methyl-N-(n-
propoxycarbonylamino)]hexyl group, 2-[N-(tert-butoxy-
carbonyl)-N-methylamino)]ethyl group, 3-[N-(tert-
butoxycarbonyl)-N-methylamino)]propyl group, 4-[N-

(tert-butoxycarbonyl)-N-methylamino)]butyl group, 5-[N-(tert-butoxycarbonyl)-N-methylamino)]pentyl group, 6-[N-(tert-butoxycarbonyl)-N-methylamino)]hexyl group, 2-[N-methyl-N-(n-pentoxycarbonyl)amino]ethyl group, 2-[N-methyl-N-(n-hexyloxycarbonyl)amino]ethyl group, 2-(N-methylanilino)ethyl group, 3-(N-methylanilino)propyl group, 4-(N-methylanilino)butyl group, 2-(N-methyl-4-chloroanilino)ethyl group, 3-(N-methyl-4-chloroanilino)propyl group, 4-(N-methyl-4-chloroanilino)butyl group, 2-(4-fluoro-N-methylanilino)ethyl group, 3-(4-fluoro-N-methylanilino)propyl group, 2-(3-fluoro-N-methylanilino)ethyl group, 3-(3-fluoro-N-methylanilino)propyl group, 4-(3-fluoro-N-methylanilino)butyl group, 2-(2-fluoro-N-methylanilino)ethyl group, 3-(2-fluoro-N-methylanilino)propyl group, 4-(2-fluoro-N-methylanilino)butyl group, 2-(2-chloro-N-methylanilino)ethyl group, 3-(2-chloro-N-methylanilino)propyl group, 4-(2-chloro-N-methylanilino)butyl group, 2-(3-chloro-N-methylanilino)ethyl group, 3-(3-chloro-N-methylanilino)propyl group, 4-(3-chloro-N-methylanilino)butyl group, 2-(4-trifluoromethyl-N-methylanilino)ethyl group, 2-(4-methylanilino)ethyl group, 2-(3,5-ditrifluoromethyl-N-ethoxycarbonylanilino)ethyl group, 2-(3,5-ditrifluoromethyl-N-methylanilino)ethyl group, 2-(2,4-dimethyl-N-methylanilino)ethyl group, 2-(3,5-dimethoxy-N-methylanilino)ethyl group, 2-(2,4,6-trimethylanilino)ethyl group, 2-(3,4,5-trimethoxyanilino)ethyl group, 3-(4-trifluoromethyl-N-

methylanilino)propyl group, 4-(4-trifluoromethyl-N-methylanilino)butyl group, 2-(3-trifluoromethyl-N-methylanilino)ethyl group, 3-(3-trifluoromethyl-N-methylanilino)propyl group, 2-(2-trifluoromethyl-N-methylanilino)ethyl group, 3-(2-trifluoromethyl-N-methylanilino)propyl group, 4-(2-trifluoromethyl-N-methylanilino)butyl group, 2-(4-trifluoromethoxy-N-methylanilino)ethyl group, 3-(4-trifluoromethoxy-N-methylanilino)propyl group, 4-(4-trifluoromethoxy-N-methylanilino)butyl group, 2-(3-trifluoromethoxy-N-methylanilino)ethyl group, 3-(3-trifluoromethoxy-N-methylanilino)propyl group, 4-(3-trifluoromethoxy-N-methylanilino)butyl group, 2-(2-trifluoromethoxy-N-methylanilino)ethyl group, 3-(2-trifluoromethoxy-N-methylanilino)propyl group, 4-(2-trifluoromethoxy-N-methylanilino)butyl group, 2-(4-methoxy-N-methylanilino)ethyl group, 3-(4-methoxy-N-methylanilino)propyl group, 4-(4-methoxy-N-methylanilino)butyl group, 2-(3-methoxy-N-methylanilino)ethyl group, 3-(3-methoxy-N-methylanilino)propyl group, 4-(3-methoxy-N-methylanilino)butyl group, 2-(2-methoxy-N-methylanilino)ethyl group, 3-(2-methoxy-N-methylanilino)propyl group, 4-(2-methoxy-N-methylanilino)butyl group or the like.

Examples of a phenyl group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom, a phenoxy group (which may be substituted on the phenyl ring by at least one group selected from a group

consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group) and a C1-6 alkoxycarbonyl group) include a phenyl group (which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a halogen atom, a phenoxy group (which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group) and a C1-6 alkoxycarbonyl group), for example, a phenyl group, 2-fluorophenyl group, 3-fluorophenyl group, 4-fluorophenyl group, 2-chlorophenyl group, 3-chlorophenyl group, 4-chlorophenyl group, 2-bromophenyl group, 3-bromophenyl group, 4-bromophenyl group, 2-iodophenyl group, 3-iodophenyl group, 4-iodophenyl group, 2,3-difluorophenyl group, 3,4-difluorophenyl group, 3,5-difluorophenyl group, 2,4-difluorophenyl group, 2,6-difluorophenyl group, 2,3-dichlorophenyl group, 3,4-dichlorophenyl group, 3,5-dichlorophenyl group, 2,4-dichlorophenyl group, 2,6-dichlorophenyl group, 2,3,4-trifluorophenyl group, 3,4,5-trifluorophenyl group, 3,4,5-trichlorophenyl group, 2,4,6-trifluorophenyl group, 2,3,4,5,6-pentafluorophenyl group, 2,4,6-trichlorophenyl group, 2-fluoro-4-chlorophenyl group, 2-fluoro-4-bromophenyl group, 3-fluoro-4-chlorophenyl group, 2-methoxycarbonylphenyl

- group, 3-methoxycarbonylphenyl group, 4-methoxycarbonylphenyl group, 2,4-dimethoxycarbonylphenyl group, 2,4,6-trimethoxycarbonylphenyl group, 2-ethoxycarbonylphenyl group, 3-ethoxycarbonylphenyl
- 5 group, 4-ethoxycarbonylphenyl group, 2-propoxycarbonylphenyl group, 3-propoxycarbonylphenyl group, 4-propoxycarbonylphenyl group, 2-butoxycarbonylphenyl group, 3-butoxycarbonylphenyl group, 4-butoxycarbonylphenyl group, 4-pentoxycarbonylphenyl group, 4-
- 10 hexyloxycarbonylphenyl group, 2-phenoxyphenyl group, 3-phenoxyphenyl group, 4-phenoxyphenyl group, 2-(2-chlorophenoxy)phenyl group, 2-(3-chlorophenoxy)phenyl group, 2-(4-chlorophenoxy)phenyl group, 3-(2-chlorophenoxy)phenyl group, 3-(3-chlorophenoxy)phenyl
- 15 group, 3-(4-chlorophenoxy)phenyl group, 4-(2-chlorophenoxy)phenyl group, 4-(2,4-dichlorophenoxy)phenyl group, 4-(2,4,6-trichlorophenoxy)phenyl group, 4-(3-chlorophenoxy)phenyl group, 4-(4-chlorophenoxy)phenyl group, 2-(2-trifluoromethylphenoxy)phenyl group,
- 20 2-(3-trifluoromethylphenoxy)phenyl group, 2-(4-trifluoromethylphenoxy)phenyl group, 3-(2-trifluoromethylphenoxy)phenyl group, 3-(2-methylphenoxy)phenyl group, 3-(2,4-dimethylphenoxy)phenyl group, 3-(2,4,6-trimethylphenoxy)phenyl group, 3-(2-methoxyphenoxy)-
- 25 phenyl group, 3-(2,4-dimethoxyphenoxy)phenyl group, 3-(2,4,6-trimethoxyphenoxy)phenyl group, 2-(3,5-ditrifluoromethylphenoxy)phenyl group, 2-(3,5-ditrifluoromethoxyphenoxy)phenyl group, 3-(3-

trifluoromethylphenoxy)phenyl group, 3-(4-trifluoromethylphenoxy)phenyl group, 4-(2-trifluoromethylphenoxy)phenyl group, 4-(3-trifluoromethylphenoxy)phenyl group, 4-(4-trifluoromethylphenoxy)phenyl group,
 5 2-(2-trifluoromethoxyphenoxy)phenyl group, 2-(3-trifluoromethoxyphenoxy)phenyl group, 2-(4-trifluoromethoxyphenoxy)phenyl group, 3-(2-trifluoromethoxyphenoxy)phenyl group, 3-(3-trifluoromethoxyphenoxy)phenyl group, 3-(4-trifluoromethoxyphenoxy)phenyl
 10 group, 4-(2-trifluoromethoxyphenoxy)phenyl group, 4-(3-trifluoromethoxyphenoxy)phenyl group, 4-(4-trifluoromethoxyphenoxy)phenyl group or the like.

A phenyl C1-6 alkoxy carbonyl group (which may be substituted on the phenyl ring by at least one group
 15 selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group) includes a phenyl C1-6 alkoxy carbonyl group (which may be substituted on the phenyl ring by 1 to 5,
 20 preferably 1 to 3 groups selected from a group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group), for example, a benzyloxycarbonyl group, 1-phenethyloxycarbonyl group,
 25 2-phenethyloxycarbonyl group, 3-phenylpropoxycarbonyl group, 2-phenylpropoxycarbonyl group, 4-phenylbutoxycarbonyl group, 5-phenylpentyloxycarbonyl group, 4-phenylpentyloxycarbonyl group, 6-phenylhexyloxycarbonyl

group, 2-fluorobenzyloxycarbonyl group, 3-fluorobenzyloxycarbonyl group, 4-fluorobenzyloxycarbonyl group, 2-chlorobenzyloxycarbonyl group, 3-chlorobenzyloxycarbonyl group, 4-chlorobenzyloxycarbonyl group, 2-bromobenzyloxycarbonyl group, 3-bromobenzyloxycarbonyl group, 4-bromobenzyloxycarbonyl group, 2-iodobenzyloxycarbonyl group, 3-iodobenzyloxycarbonyl group, 4-iodobenzyloxycarbonyl group, 2,3-difluorobenzyloxycarbonyl group, 3,4-difluorobenzyloxycarbonyl group, 3,5-difluorobenzyloxycarbonyl group, 2,4-difluorobenzyloxycarbonyl group, 2,6-difluorobenzyloxycarbonyl group, 2,4,6-trifluorobenzyloxycarbonyl group, 2,3,4,5,6-pentafluorobenzyloxycarbonyl group, 3,4,5-trifluorobenzyloxycarbonyl group, 2,3-dichlorobenzyloxycarbonyl group, 3,4-dichlorobenzyloxycarbonyl group, 3,5-dichlorobenzyloxycarbonyl group, 2,4-dichlorobenzyloxycarbonyl group, 2,6-dichlorobenzyloxycarbonyl group, 2,4,6-trichlorobenzyloxycarbonyl group, 3,4,5-trichlorobenzyloxycarbonyl group, perfluorobenzyloxycarbonyl group, 2-difluoromethylbenzyloxycarbonyl group, 3-methylbenzyloxycarbonyl group, 3,5-dimethylbenzyloxycarbonyl group, 2,4,6-trimethylbenzyloxycarbonyl group, 3-methoxybenzyloxycarbonyl group, 3,5-dimethoxybenzyloxycarbonyl group, 2,4,6-trimethoxybenzyloxycarbonyl group, 3-difluoromethylbenzyloxycarbonyl group, 4-difluoromethylbenzyloxycarbonyl group, 4-chloro-3-difluoromethylbenzyloxycarbonyl group, 3-chloro-4-difluoromethyl-

- benzyloxycarbonyl group, 3-bromo-4-difluoromethyl-
 benzyloxycarbonyl group, 3,5-difluoro-4-difluoromethyl-
 benzyloxycarbonyl group, 2-trifluoromethylbenzyloxy-
 carbonyl group, 3-trifluoromethylbenzyloxycarbonyl
 5 group, 4-trifluoromethylbenzyloxycarbonyl group, 4-
 fluoro-3-trifluoromethylbenzyloxycarbonyl group, 3-
 fluoro-4-trifluoromethylbenzyloxycarbonyl group, 4-
 chloro-3-pentafluoroethylbenzyloxycarbonyl group, 3-
 chloro-4-pentafluoroethylbenzyloxycarbonyl group, 2-
 10 pentafluoroethylbenzyloxycarbonyl group, 3-
 pentafluoroethylbenzyloxycarbonyl group, 4-
 pentafluoroethylbenzyloxycarbonyl group, 2-
 trifluoromethoxybenzyloxycarbonyl group, 3-
 trifluoromethoxybenzyloxycarbonyl group, 4-
 15 trifluoromethoxybenzyloxycarbonyl group, 4-fluoro-3-
 trifluoromethoxybenzyloxycarbonyl group, 3-fluoro-4-
 trifluoromethoxybenzyloxycarbonyl group, 2-pentafluoro-
 ethoxybenzyloxycarbonyl group, 3-pentafluoroethoxy-
 benzyloxycarbonyl group, 4-pentafluoroethoxybenzyloxy-
 20 carbonyl group, 3-chloro-4-trifluoromethoxybenzyloxy-
 carbonyl group, 3-chloro-4-pentafluoroethoxybenzyloxy-
 carbonyl group, 2-(2-trifluoromethylphenyl)ethoxy-
 carbonyl group, 2-(3-trifluoromethylphenyl)ethoxy-
 carbonyl group, 2-(4-trifluoromethylphenyl)ethoxy-
 25 carbonyl group, (2-trifluoromethoxyphenyl)methoxy-
 carbonyl group, (3-trifluoromethoxyphenyl)methoxy-
 carbonyl group, 2-(4-trifluoromethoxyphenyl)ethoxy-
 carbonyl group, 2-(2-pentafluoroethoxyphenyl)ethoxy-

carbonyl group, 2-(3-pentafluoroethoxyphenyl)ethoxy-
 carbonyl group, 2-(4-pentafluoroethoxyphenyl)ethoxy-
 carbonyl group, 3-(2-trifluoromethylphenyl)propoxy-
 carbonyl group, 3-(3-trifluoromethylphenyl)propoxy-
 5 carbonyl group, 3-(4-trifluoromethylphenyl)propoxy-
 carbonyl group, 3-(2-trifluoromethylphenyl)propoxy-
 carbonyl group, 3-(3-trifluoromethoxyphenyl)propoxy-
 carbonyl group, 3-(4-trifluoromethoxyphenyl)propoxy-
 carbonyl group, 3-(3-pentafluoroethoxyphenyl)propoxy-
 10 carbonyl group, 3-(4-pentafluoroethoxyphenyl)propoxy-
 carbonyl group, 4-(3-pentafluoroethoxyphenyl)butoxy-
 carbonyl group, 5-(4-trifluoromethylphenyl)pentyl-
 carbonyl group, 4-(4-trifluoromethylphenyl)pentyl-
 carbonyl group, 4-(4-trifluoromethoxyphenyl)pentyl-
 15 carbonyl group, 6-(3-trifluoromethylphenyl)hexyl-
 carbonyl group, 6-(4-trifluoromethylphenyl)hexyl-
 carbonyl group, 6-(4-trifluoromethoxyphenyl)hexyl-
 carbonyl group or the like.

A phenyl C1-6 alkoxy-carbonyl group (which may
 20 be substituted on the phenyl ring by at least one group
 selected from a group consisting of a halogen atom,
 cyano group, halogen-substituted or unsubstituted C1-6
 alkyl group and halogen-substituted or unsubstituted
 C1-6 alkoxy group) includes a phenyl C1-6 alkoxy-
 25 carbonyl group (which may be substituted on the phenyl
 ring by 1 to 5, preferably 1 to 3 groups selected from
 a group consisting of a halogen atom, cyano group,
 halogen-substituted or unsubstituted C1-6 alkyl group

and halogen-substituted or unsubstituted C1-6 alkoxy group), for example, a benzyloxycarbonyl group, phenylethoxycarbonyl group, 3-phenylpropoxycarbonyl group, 2-phenylpropoxycarbonyl group, 4-phenylbutoxy-
 5 carbonyl group, 5-phenylpentoxycarbonyl group, 4-phenylpentoxycarbonyl group, 6-phenylhexyloxycarbonyl group, 2-fluorobenzyloxycarbonyl group, 3-fluorobenzyloxycarbonyl group, 4-fluorobenzyloxycarbonyl group, 2-(2-fluorophenyl)ethoxycarbonyl group, 1-(3-
 10 fluorophenyl)ethoxycarbonyl group, 2-(4-fluorophenyl)ethoxycarbonyl group, 2-chlorobenzyloxycarbonyl group, 3-chlorobenzyloxycarbonyl group, 4-chlorobenzyloxy-carbonyl group, 2-(2-bromophenyl)ethoxycarbonyl group, 1-(3-chlorophenyl)ethoxycarbonyl group, 2-(4-
 15 iodophenyl)ethoxycarbonyl group, 2-(2,3-dichlorophenyl)ethoxycarbonyl group, (2,4,6-trichlorophenyl)-methoxycarbonyl group, (2,3,4,5,6-pentafluorophenyl)-methoxycarbonyl group, 2-cyanobenzyloxycarbonyl group, 3-cyanobenzyloxycarbonyl group, 4-cyanobenzyloxy-
 20 carbonyl group, 2,4-dicyanobenzyloxycarbonyl group, 3,4,5-tricyanobenzyloxycarbonyl group, 2-cyanophenylethoxycarbonyl group, 3-cyanophenylethoxycarbonyl group, 4-cyanophenylethoxycarbonyl group, 2-methylbenzyloxycarbonyl group, 2,4-dimethylbenzyloxy-
 25 carbonyl group, 2,4,6-trimethylbenzyloxycarbonyl group, 2-trifluoromethylbenzyloxycarbonyl group, 3-trifluoromethylbenzyloxycarbonyl group, 4-trifluoromethylbenzyloxycarbonyl group, 2-methoxybenzyloxycarbonyl

group, 2,4-dimethoxybenzyloxy carbonyl group, 2,4,6-trimethoxybenzyloxy carbonyl group, 2-trifluoromethoxybenzyloxy carbonyl group, 3-trifluoromethoxybenzyloxy carbonyl group, 4-trifluoromethoxybenzyloxy carbonyl group, 2-(2-trifluoromethylphenyl)ethoxycarbonyl group, 2-(3-trifluoromethylphenyl)ethoxycarbonyl group, 2-(4-trifluoromethylphenyl)ethoxycarbonyl group, 2-(2-trifluoromethoxyphenyl)ethoxycarbonyl group, 2-(3-trifluoromethoxyphenyl)ethoxycarbonyl group, 2-(4-trifluoromethoxyphenyl)ethoxycarbonyl group, 3-(2-trifluoromethylphenyl)propoxycarbonyl group, 3-(3-trifluoromethylphenyl)propoxycarbonyl group, 3-(4-trifluoromethylphenyl)propoxycarbonyl group, 3-(2-trifluoromethoxyphenyl)propoxycarbonyl group, 3-(3-trifluoromethoxyphenyl)propoxycarbonyl group, 3-(4-trifluoromethoxyphenyl)propoxycarbonyl group, 3-(4-biphenylyl)propoxycarbonyl group, 4-(4-biphenylyl)butoxycarbonyl group, 5-(4-biphenylyl)pentoxycarbonyl group, 4-(3-trifluoromethylphenyl)butoxycarbonyl group, 5-(4-trifluoromethylphenyl)pentylloxycarbonyl group, 4-(4-trifluoromethylphenyl)pentoxycarbonyl group, 4-(4-trifluoromethoxyphenyl)pentoxycarbonyl group, 6-(3-trifluoromethylphenyl)hexylloxycarbonyl group, 6-(4-trifluoromethylphenyl)hexylloxycarbonyl group, 6-(4-trifluoromethoxyphenyl)hexylloxycarbonyl group or the like.

A phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group

selected from a group consisting of a halogen atom and a halogen-substituted or unsubstituted C1-6 alkyl group) is a phenyl C1-6 alkyl group unsubstituted or substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a halogen atom and a halogen-substituted or unsubstituted C1-6 alkyl group, examples of which include a benzyl group, 1-phenethyl group, 2-phenethyl group, 3-phenylpropyl group, 2-phenylpropyl group, 4-phenylbutyl group, 5-phenylpentyl group, 4-phenylpentyl group, 6-phenylhexyl group, 2-fluorobenzyl group, 3-fluorobenzyl group, 4-fluorobenzyl group, 2-chlorobenzyl group, 3-chlorobenzyl group, 4-chlorobenzyl group, 2-bromobenzyl group, 3-bromobenzyl group, 4-bromobenzyl group, 2-iodobenzyl group, 3-iodobenzyl group, 4-iodobenzyl group, 2,3-difluorobenzyl group, 3,4-difluorobenzyl group, 3,5-difluorobenzyl group, 2,4-difluorobenzyl group, 2,6-difluorobenzyl group, 2,3,4,5,6-pentafluorobenzyl group, 2,3-dichlorobenzyl group, 3,4-dichlorobenzyl group, 3,5-dichlorobenzyl group, 2,4-dichlorobenzyl group, 2,6-dichlorobenzyl group, 2-trifluoromethyl benzyl group, 3-trifluoromethyl benzyl group, 4-trifluoromethylbenzyl group, 2-methylbenzyl group, 2,3-dimethylbenzyl group, 2,4,6-trimethylbenzyl group, 3,5-ditrifluoromethylbenzyl group, 2-(2-trifluoromethylphenyl)ethyl group, 2-(3-trifluoromethylphenyl)ethyl group, 2-(4-trifluoromethylphenyl)ethyl group, 3-(2-

trifluoromethylphenyl)propyl group, 3-(3-trifluoromethylphenyl)propyl group, 3-(4-trifluoromethylphenyl)propyl group, 3-(2-trifluoromethylphenyl)propyl group, 5-(4-trifluoromethylphenyl)pentyl group, 4-(4-trifluoromethylphenyl)pentyl group, 6-(3-trifluoromethylphenyl)hexyl group, 6-(4-trifluoromethylphenyl)hexyl group or the like.

A piperidinyl C1-6 alkyl group (which may be substituted on the piperidine ring by at least one phenoxy group (which may have at least one halogen-substituted or unsubstituted C1-6 alkyl group on the phenyl ring as a substituent) as a substituent) includes a piperidinyl C1-6 alkyl group (which may be substituted on the piperidine ring by at least one phenoxy group (which may have 1 to 5, preferably 1 to 3 halogen-substituted or unsubstituted C1-6 alkyl groups on the phenyl ring as a substituent) as a substituent), for example, piperidin-1-ylmethyl group, piperidin-2-ylethyl group, piperidin-3-ylpropyl group, piperidin-4-ylbutyl group, piperidin-1-ylpentyl group, piperidin-2-yl-n-hexyl group, 4-phenoxy-piperidin-1-ylmethyl group, 2-(4-phenoxy-piperidin-1-yl)ethyl group, 3-(4-phenoxy-piperidin-1-yl)propyl group, 4-(4-phenoxy-piperidin-1-yl)butyl group, 5-(4-phenoxy-piperidin-1-yl)pentyl group, 6-(4-phenoxy-piperidin-1-yl)hexyl group, 4-(3-methylphenoxy)piperidin-1-ylmethyl group, 4-(2,5-dimethylphenoxy)piperidin-1-ylmethyl group, 4-(2,4,6-trimethylphenoxy)piperidin-1-ylmethyl group, 4-(3,5-

ditrifluoromethylphenoxy)piperidin-1-ylmethyl group, 4-
 (2-trifluoromethylphenoxy)piperidin-1-ylmethyl group,
 2-[4-(2-trifluoromethylphenoxy)piperidin-1-yl]ethyl
 group, 3-[4-(2-trifluoromethylphenoxy)piperidin-1-
 5 yl]propyl group, 4-[4-(2-trifluoromethylphenoxy)-
 piperidin-1-yl]butyl group, 5-[4-(2-trifluoromethyl-
 phenoxy)piperidin-1-yl]pentyl group, 6-[4-(2-
 trifluoromethylphenoxy)piperidin-1-yl]hexyl group, 4-
 (3-trifluoromethylphenoxy)piperidin-1-ylmethyl group,
 10 2-[4-(3-trifluoromethylphenoxy)piperidin-1-yl]ethyl
 group, 3-[4-(3-trifluoromethylphenoxy)piperidin-1-
 yl]propyl group, 4-[4-(3-trifluoromethylphenoxy)-
 piperidin-1-yl]butyl group, 5-[4-(3-trifluoro-
 methylphenoxy)piperidin-1-yl]pentyl group, 6-[4-(3-
 15 trifluoromethylphenoxy)piperidin-1-yl]hexyl group, 4-
 (4-trifluoromethylphenoxy)piperidin-1-ylmethyl group,
 2-[4-(4-trifluoromethylphenoxy)piperidin-1-yl]ethyl
 group, 3-[4-(4-trifluoromethylphenoxy)piperidin-1-
 yl]propyl group, 4-[4-(4-trifluoromethylphenoxy)-
 20 piperidin-1-yl]butyl group, 5-[4-(4-trifluoromethyl-
 phenoxy)piperidin-1-yl]pentyl group, 6-[4-(4-
 trifluoromethylphenoxy)piperidin-1-yl]hexyl group or
 the like.

A phenyl group (which may be substituted on
 25 the phenyl ring by at least one group selected from a
 group consisting of a halogen atom; a halogen-
 substituted or unsubstituted C1-6 alkyl group; a
 halogen-substituted or unsubstituted C1-6 alkoxy group;

an amino group which may have a group selected from a group consisting of a C1-6 alkyl group and a phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from a group

5 consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group) as a substituent; a phenoxy group (which may be substituted on the phenyl ring by at least one group selected from a group

10 consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group); a phenyl C1-6 alkoxy group (which may be substituted on the phenyl ring by at least one group selected from a group

15 consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group); and a piperidyl group (which may have at least one amino group on the piperidine ring which may have at least one group

20 selected from a group consisting of a phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubsti-

25 tuted C1-6 alkoxy group) and C1-6 alkyl group)) includes a phenyl group (which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a halogen atom; a

halogen-substituted or unsubstituted C1-6 alkyl group;
a halogen-substituted or unsubstituted C1-6 alkoxy
group; an amino group which may have 1 to 2 groups
selected from a group consisting of a C1-6 alkyl group
5 and a phenyl C1-6 alkyl group (which may be substituted
on the phenyl ring by 1 to 5, preferably 1 to 3 groups
selected from a group consisting of a halogen atom;
halogen-substituted or unsubstituted C1-6 alkyl group;
and halogen-substituted or unsubstituted C1-6 alkoxy
10 group) as a substituent; a phenoxy group (which may be
substituted on the phenyl ring by 1 to 5, preferably 1
to 3 groups selected from a group consisting of a
halogen atom, halogen-substituted or unsubstituted C1-6
alkyl group and halogen-substituted or unsubstituted
15 C1-6 alkoxy group); a phenyl C1-6 alkoxy group (which
may be substituted on the phenyl ring by 1 to 5,
preferably 1 to 3 groups selected from a group consist-
ing of a halogen atom, halogen-substituted or unsubsti-
tuted C1-6 alkyl group and halogen-substituted or
20 unsubstituted C1-6 alkoxy group); and a piperidyl group
(which may have at least one amino group on the
piperidine ring which may have 1 to 2 groups selected
from a group consisting of a phenyl C1-6 alkyl group
(which may be substituted on the phenyl ring by 1 to 5,
25 preferably 1 to 3 groups selected from a group consist-
ing of a halogen atom, halogen-substituted or unsubsti-
tuted C1-6 alkyl group and halogen-substituted or
unsubstituted C1-6 alkoxy group) and C1-6 alkyl

group)), for example, a phenyl group, 2-fluorophenyl group, 3-fluorophenyl group, 4-fluorophenyl group, 2-chlorophenyl group, 3-chlorophenyl group, 4-chlorophenyl group, 2-bromophenyl group, 3-bromophenyl group, 4-bromophenyl group, 2-iodophenyl group, 3-iodophenyl group, 4-iodophenyl group, 2,3-difluorophenyl group, 3,4-difluorophenyl group, 3,5-difluorophenyl group, 2,4-difluorophenyl group, 2,6-difluorophenyl group, 2,3-dichlorophenyl group, 3,4-dichlorophenyl group, 3,5-dichlorophenyl group, 2,4-dichlorophenyl group, 2,6-dichlorophenyl group, 3,4,5-trifluorophenyl group, 3,4,5-trichlorophenyl group, 2,4,6-trifluorophenyl group, 2,3,4,5,6-pentafluorophenyl group, 2,4,6-trichlorophenyl group, 2-methylphenyl group, 3-methylphenyl group, 4-methylphenyl group, 2,4-dimethylphenyl group, 3,4,5-trimethylphenyl group, 3,5-ditrifluoromethylphenyl group, 2-methyl-3-chlorophenyl group, 3-methyl-4-chlorophenyl group, 2-chloro-4-methylphenyl group, 2-methyl-3-fluorophenyl group, 2-trifluoromethylphenyl group, 3-trifluoromethylphenyl group, 4-trifluoromethylphenyl group, 2-pentafluoroethylphenyl group, 3-pentafluoroethylphenyl group, 4-pentafluoroethylphenyl group, 2-isopropylphenyl group, 3-isopropylphenyl group, 4-isopropylphenyl group, 2-tert-butylphenyl group, 3-tert-butylphenyl group, 4-tert-butylphenyl group, 2-sec-butylphenyl group, 3-sec-butylphenyl group, 4-sec-butylphenyl group, 2-n-heptafluoropropylphenyl group, 3-n-heptafluoropropyl-

phenyl group, 4-n-heptafluoropropylphenyl group, 4-pentylphenyl group, 4-hexylphenyl group, 2-methoxyphenyl group, 3-methoxyphenyl group, 4-methoxyphenyl group, 2-methoxy-3-chlorophenyl group, 2-fluoro-3-

5 methoxyphenyl group, 2-fluoro-4-methoxyphenyl group, 2,6-dimethoxyphenyl group, 2,4,6-trimethoxyphenyl group, 3,5-difluoromethoxyphenyl group, 2-trifluoromethoxyphenyl group, 3-trifluoromethoxyphenyl group, 4-trifluoromethoxyphenyl group, 2-pentafluoro-

10 ethoxyphenyl group, 3-pentafluoroethoxyphenyl group, 4-pentafluoroethoxyphenyl group, 2-isopropoxyphenyl group, 3-isopropoxyphenyl group, 4-isopropoxyphenyl group, 2-tert-butoxyphenyl group, 3-tert-butoxyphenyl group, 4-tert-butoxyphenyl group, 2-sec-butoxyphenyl

15 group, 3-sec-butoxyphenyl group, 4-sec-butoxyphenyl group, 2-n-heptafluoropropoxyphenyl group, 3-n-heptafluoropropoxyphenyl group, 4-n-heptafluoropropoxyphenyl group, 4-pentyloxyphenyl group, 4-hexyloxyphenyl group, 3-aminophenyl, 3-methylaminophenyl group, 3-

20 dimethylaminophenyl group, 4-methylaminophenyl group, 4-dimethylaminophenyl group, 4-ethylaminophenyl group, 4-diethylaminophenyl group, 4-n-propylaminophenyl group, 4-di-n-propylaminophenyl group, 4-n-butylaminophenyl group, 4-di-n-butylaminophenyl group, 4-n-

25 pentylaminophenyl group, 4-di-n-pentylaminophenyl group, 4-n-hexylaminophenyl group, 4-di-n-hexylaminophenyl group, 4-benzylaminophenyl group, 4-(2-fluorobenzylamino)phenyl group, 4-(3-fluorobenzyl-

amino)phenyl group, 4-(4-fluorobenzylamino)phenyl
 group, 4-(2,3-difluorobenzylamino)phenyl group, 4-(2,4-
 difluorobenzylamino)phenyl group, 4-(3,4-difluoro-
 benzylamino)phenyl group, 4-(3,5-difluorobenzylamino)-
 5 phenyl group, 4-(2-chlorobenzylamino)phenyl group, 4-
 (3-chlorobenzylamino)phenyl group, 4-(4-chlorobenzyl-
 amino)phenyl group, 4-(2-bromobenzylamino)phenyl group,
 4-(3-bromobenzylamino)phenyl group, 4-(4-bromobenzyl-
 amino)phenyl group, 4-(2,3-dichlorobenzylamino)phenyl
 10 group, 4-(2,4-dichlorobenzylamino)phenyl group, 4-(3,4-
 dichlorobenzylamino)phenyl group, 4-(3,5-dichloro-
 benzylamino)phenyl group, 4-(2-methylbenzylamino)phenyl
 group, 4-(3-methylbenzylamino)phenyl group, 4-(4-
 methylbenzylamino)phenyl group, 4-(2-ethylbenzylamino)-
 15 phenyl group, 4-(3-ethylbenzylamino)phenyl group, 4-(4-
 ethylbenzylamino)phenyl group, 4-(4-n-propylbenzyl-
 amino)phenyl group, 4-(4-tert-butylbenzylamino)phenyl
 group, 4-(4-n-butylbenzylamino)phenyl group, 4-(2-
 trifluoromethylbenzylamino)phenyl group, 4-(3-
 20 trifluoromethylbenzylamino)phenyl group, 4-(4-
 trifluoromethylbenzylamino)phenyl group, 4-(2-
 pentafluoroethylbenzylamino)phenyl group, 4-(3-
 pentafluoroethylbenzylamino)phenyl group, 4-(2,3-
 dimethylbenzylamino)phenyl group, 4-(3,4,5-
 25 trimethylbenzylamino)phenyl group, 4-(4-pentylbenzyl-
 amino)phenyl group, 4-(4-hexylbenzylamino)phenyl group,
 4-(3-methoxybenzylamino)phenyl group, 4-(3,5-dimethoxy-
 benzylamino)phenyl group, 4-(2,4,6-trimethoxybenzyl-

amino)phenyl group, 4-(2-trifluoromethoxybenzylamino)-
 phenyl group, 4-(3-trifluoromethoxybenzylamino)phenyl
 group, 4-(4-trifluoromethoxybenzylamino)phenyl group,
 4-(2-pentafluoroethoxybenzylamino)phenyl group, 4-(3-
 5 pentafluoroethoxybenzylamino)phenyl group, 4-(4-
 pentafluoroethoxybenzylamino)phenyl group,
 (phenethylamino)phenyl group, 4-(2-fluorophenethyl-
 amino)phenyl group, 4-(3-fluorophenethylamino)phenyl
 group, 4-(4-fluorophenethylamino)phenyl group, 4-(2,3-
 10 difluorophenethylamino)phenyl group, 4-(2,4-difluoro-
 phenethylamino)phenyl group, 4-(3,4-difluorophenethyl-
 amino)phenyl group, 4-(3,5-difluorophenethylamino)-
 phenyl group, 4-(2-chlorophenethylamino)phenyl group,
 4-(3-chlorophenethylamino)phenyl group, 4-(4-chloro-
 15 phenethylamino)phenyl group, 4-(2-bromophenethylamino)-
 phenyl group, 4-(3-bromophenethylamino)phenyl group, 4-
 (4-bromophenethylamino)phenyl group, 4-(2,3-dichloro-
 phenethylamino)phenyl group, 4-(2,4-dichlorophenethyl-
 amino)phenyl group, 4-(3,4-dichlorophenethylamino)-
 20 phenyl group, 4-(3,5-dichlorophenethylamino)phenyl
 group, 4-(2-methylphenethylamino)phenyl group, 4-(3-
 methylphenethylamino)phenyl group, 4-(4-methyl-
 phenethylamino)phenyl group, 4-(4-ethylphenethyl-
 amino)phenyl group, 4-(4-propylphenethylamino)phenyl
 25 group, 4-(4-tert-butylphenethylamino)phenyl group, 4-
 (2-trifluoromethylphenethylamino)phenyl group, 4-(3-
 trifluoromethylphenethylamino)phenyl group, 4-(4-
 trifluoromethylphenethylamino)phenyl group, 4-(2-

pentafluoroethylphenethylamino)phenyl group, 4-(3-
 pentafluoroethylphenethylamino)phenyl group, 4-(2,3-
 dimethylphenethylamino)phenyl group, 4-(2-trifluoro-
 methoxyphenethylamino)phenyl group, 4-(3-trifluoro-
 5 methoxyphenethylamino)phenyl group, 4-(4-trifluoro-
 methoxyphenethylamino)phenyl group, 4-(2-pentafluoro-
 ethoxyphenethylamino)phenyl group, 4-(3-pentafluoro-
 ethoxyphenethylamino)phenyl group, 4-(4-pentafluoro-
 ethoxyphenethylamino)phenyl group, 4-(3-phenylpropyl-
 10 amino)phenyl group, 4-[3-(2-fluorophenyl)propylamino]-
 phenyl group, 4-[3-(3-fluorophenyl)propylamino]phenyl
 group, 4-[3-(4-fluorophenyl)propylamino]phenyl group,
 4-[3-(2,3-difluorophenyl)propylamino]phenyl group, 4-
 [3-(2,4-difluorophenyl)propylamino]phenyl group, 4-[3-
 15 (3,4-difluorophenyl)propylamino]phenyl group, 4-[3-
 (3,5-difluorophenyl)propylamino]phenyl group, 4-[3-(2-
 chlorophenyl)propylamino]phenyl group, 4-[3-(3-
 chlorophenyl)propylamino]phenyl group, 4-[3-(4-
 chlorophenyl)propylamino]phenyl group, 4-[3-(2-
 20 bromophenyl)propylamino]phenyl group, 4-[3-(3-
 bromophenyl)propylamino]phenyl group, 4-[3-(4-
 bromophenyl)propylamino]phenyl group, 4-[3-(2,3-
 dichlorophenyl)propylamino]phenyl group, 4-[3-(2,4-
 dichlorophenyl)propylamino]phenyl group, 4-[3-(3,4-
 25 dichlorophenyl)propylamino]phenyl group, 4-[3-(3,5-
 dichlorophenyl)propylamino]phenyl group, 4-[3-(2-
 methylphenyl)propylamino]phenyl group, 4-[3-(3-
 methylphenyl)propylamino]phenyl group, 4-[3-(4-

methylphenyl)propylamino]phenyl group, 4-[3-(2-ethyl-
 phenyl)propylamino]phenyl group, 4-[3-(3-ethylphenyl)-
 propylamino]phenyl group, 4-[3-(4-ethylphenyl)propyl-
 amino]phenyl group, 4-[3-(4-propylphenyl)propylamino]-
 5 phenyl group, 4-[3-(4-tert-butylphenyl)propylamino]-
 phenyl group, 4-[3-(4-butylphenyl)propylamino]phenyl
 group, 4-[3-(2-trifluoromethylphenyl)propylamino]phenyl
 group, 4-[3-(3-trifluoromethylphenyl)propylamino]phenyl
 group, 4-[3-(4-trifluoromethylphenyl)propylamino]phenyl
 10 group, 4-[3-(2-pentafluoroethylphenyl)propylamino]-
 phenyl group, 4-[3-(3-pentafluoroethylphenyl)propyl-
 amino]phenyl group, 4-[3-(2,3-dimethylphenyl)propyl-
 amino]phenyl group, 4-[3-(3,4,5-trimethylphenyl)propyl-
 amino]phenyl group, 4-[3-(4-pentylphenyl)propylamino]-
 15 phenyl group, 4-[3-(4-hexylphenyl)propylamino]phenyl
 group, 4-[3-(2-trifluoromethoxyphenyl)propylamino]-
 phenyl group, 4-[3-trifluoromethoxyphenyl)propylamino]-
 phenyl group, 4-[3-(4-trifluoromethoxyphenyl)propyl-
 amino]phenyl group, 4-[3-(2-pentafluoroethoxyphenyl)-
 20 propylamino]phenyl group, 4-[3-(3-pentafluoroethoxy-
 phenyl)propylamino]phenyl group, 4-[3-(4-pentafluoro-
 ethoxyphenyl)propylamino]phenyl group, 2-phenoxyphenyl
 group, 3-phenoxyphenyl group, 4-phenoxyphenyl group, 2-
 (2-chlorophenoxy)phenyl group, 2-(3-chlorophenoxy)-
 25 phenyl group, 2-(4-chlorophenoxy)phenyl group, 3-(2-
 chlorophenoxy)phenyl group, 3-(3-chlorophenoxy)phenyl
 group, 3-(4-chlorophenoxy)phenyl group, 4-(2-
 chlorophenoxy)phenyl group, 4-(3-chlorophenoxy)phenyl

group, 4-(4-chlorophenoxy)phenyl group, 3-(4-methylphenoxy)phenyl group, 3-(3,4-dimethylphenoxy)-phenyl group, 4-(2,4,6-trimethylphenoxy)phenyl group, 2-(2-trifluoromethylphenoxy)phenyl group, 2-(3-

5 trifluoromethylphenoxy)phenyl group, 2-(4-trifluoromethylphenoxy)phenyl group, 3-(2-trifluoromethylphenoxy)phenyl group, 3-(3-trifluoromethylphenoxy)-phenyl group, 3-(4-trifluoromethylphenoxy)phenyl group, 4-(2-trifluoromethylphenoxy)phenyl group, 4-(3-

10 trifluoromethylphenoxy)phenyl group, 4-(4-trifluoromethylphenoxy)phenyl group, 3-(4-methoxyphenoxy)phenyl group, 2-(3,4-dimethoxyphenoxy)phenyl group, 4-(2,4,6-trimethoxyphenoxy)phenyl group, 2-(2-trifluoromethoxyphenoxy)phenyl group, 2-(3-trifluoromethoxyphenoxy)-

15 phenyl group, 2-(4-trifluoromethoxyphenoxy)phenyl group, 3-(2-trifluoromethoxyphenoxy)phenyl group, 3-(3-trifluoromethoxyphenoxy)phenyl group, 3-(4-trifluoromethoxyphenoxy)phenyl group, 4-(2-trifluoromethoxyphenoxy)phenyl group, 4-(3-trifluoromethoxyphenoxy)-

20 phenyl group, 4-(4-trifluoromethoxyphenoxy)phenyl group, 4-benzyloxyphenyl group, 4-(2-phenylethoxy)phenyl group, 4-(3-phenylpropoxy)phenyl group, 4-(4-phenylbutoxy)phenyl group, 4-(5-phenylpentoxy)phenyl group, 4-(6-phenylhexyloxy)phenyl

25 group, 4-(4-fluorobenzyloxy)phenyl group, 4-(3-fluorobenzyloxy)phenyl group, 4-(2-fluorobenzyloxy)phenyl group, 4-(4-chlorobenzyloxy)phenyl group, 4-(3-chlorobenzyloxy)-

phenyl group, 4-(2-chlorobenzyloxy)phenyl group, 3-(4-methylbenzyloxy)phenyl group, 2-(2,4-dimethylbenzyloxy)phenyl group, 4-(2,4,6-trimethylbenzyloxy)phenyl group, 4-(2-trifluoromethylbenzyloxy)phenyl group, 4-(3-trifluoromethylbenzyloxy)phenyl group, 4-(4-trifluoromethylbenzyloxy)phenyl group, 3-(4-methoxybenzyloxy)phenyl group, 2-(2,4-dimethoxybenzyloxy)phenyl group, 4-(2,4,6-trimethoxybenzyloxy)phenyl group, 4-(2-trifluoromethoxybenzyloxy)phenyl group, 4-(3-trifluoromethoxybenzyloxy)phenyl group, 4-(4-trifluoromethoxybenzyloxy)phenyl group, 4-(4-fluorophenylethoxy)phenyl group, 4-(3-fluorophenylethoxy)phenyl group, 4-(2-fluorophenylethoxy)phenyl group, 4-(4-chlorophenylethoxy)phenyl group, 4-(3-chlorophenylethoxy)phenyl group, 4-(2-chlorophenylethoxy)phenyl group, 4-(2-trifluoromethylphenylethoxy)phenyl group, 4-(3-trifluoromethylphenylethoxyl)phenyl group, 4-(4-trifluoromethylphenylethoxyl)phenyl group, 4-(2-trifluoromethoxyphenylethoxyl)phenyl group, 4-(3-trifluoromethoxyphenylethoxyl)phenyl group, 4-(4-trifluoromethoxyphenylethoxyl)phenyl group, 4-[3-(4-fluorophenyl)propoxy]phenyl group, 4-[3-(3-fluorophenyl)propoxy]phenyl group, 4-[3-(2-fluorophenyl)propoxy]phenyl group, 4-[3-(2-trifluoromethylphenyl)propoxy]phenyl group, 4-[3-(3-trifluoromethylphenyl)propoxy]phenyl group, 4-[3-(4-trifluoromethylphenyl)-

- propoxy]phenyl group, 4-[3-(2-trifluoromethylphenyl)-
propoxy]phenyl group, 4-[3-(3-trifluoromethoxyphenyl)-
propoxy]phenyl group, 3-(4-trifluoromethoxyphenyl)-
propoxy]phenyl group, 4-[4-(3-trifluoromethylphenyl)-
5 butoxy]phenyl group, 4-[5-(4-trifluoromethylphenyl)-
pentoxy]phenyl group, 4-[4-(4-trifluoromethoxyphenyl)-
pentoxy]phenyl group, 4-[6-(3-trifluoromethylphenyl)-
hexyloxy]phenyl group, 4-[6-(4-trifluoromethylphenyl)-
hexyloxy]phenyl group, 4-[6-(4-trifluoromethoxyphenyl)-
10 hexyloxy]phenyl group, 3-(piperidin-1-yl)phenyl group,
2-(4-benzylaminopiperidin-1-yl)phenyl group, 2-(3-
benzylaminopiperidin-1-yl)phenyl group, 2-(4-
benzylaminopiperidin-1-yl)phenyl group, 2-(4-
benzylaminopiperidin-1-yl)phenyl group, 2-(4-
15 benzylaminopiperidin-1-yl)phenyl group, 2-[4-(4-
chlorobenzyl)aminopiperidin-1-yl]phenyl group, 2-[2-
(2,4-dichlorobenzyl)aminopiperidin-1-yl]phenyl group,
2-[4-(2,4,6-trichlorobenzyl)aminopiperidin-1-yl]phenyl
group, 2-[4-(4-methylbenzyl)aminopiperidin-1-yl]phenyl
20 group, 2-[4-(2,4-dimethylbenzyl)aminopiperidin-1-
yl]phenyl group, 2-[4-(2,4,6-trimethylbenzyl)amino-
piperidin-1-yl]phenyl group, 2-[4-(4-trifluoromethyl-
benzyl)aminopiperidin-1-yl]phenyl group, 2-[4-[2,4-
di(trifluoromethyl)benzyl]piperidin-1-yl]phenyl group,
25 2-[4-[2,4,6-tri(trifluoromethyl)benzyl]aminopiperidin-
1-yl]phenyl group, 2-[4-(4-methoxybenzyl)amino-
piperidin-1-yl]phenyl group, 2-[4-(2,4-dimethoxy-
benzyl)aminopyridin-1-yl]phenyl group, 2-[4-(2,4,6-

trimethoxybenzyl)aminopiperidin-1-yl]phenyl group, 2-[4-(4-trifluoromethoxybenzyl)aminopiperidin-1-yl]phenyl group, 2-{4-[2,4,6-tri(trifluoromethoxy)benzyl]-aminopiperidin-1-yl}phenyl group, 2-{4-[3,5-
 5 di(trifluoromethoxy)benzyl]aminopiperidin-1-yl}phenyl group, 4-(4-methylaminopiperidin-1-yl)phenyl group, 4-(4-dimethylaminopiperidin-1-yl)phenyl group, 4-(4-ethylaminopiperidin-1-yl)phenyl group, 4-(4-diethylaminopiperidin-1-yl)phenyl group, 4-(4-n-
 10 propylaminopiperidin-1-yl)phenyl group, 4-(4-(din-propylamino)piperidin-1-yl group, 4-(4-n-butylamino-piperidin-1-yl)phenyl group, 4-[4-(N-ethyl-N-methylamino)piperidin-1-yl]phenyl group, 4-[4-(N-benzyl-N-methylamino)piperidin-1-yl]phenyl group, 4-(4-
 15 n-pentylaminopiperidin-1-yl)phenyl group, 4-(4-n-hexylaminopiperidin-1-yl)phenyl group or the like.

Examples of a biphenyl C1-6 alkoxy group include 1,1'-biphenyl-4-ylmethoxy group, 2-(1,1'-biphenyl-4-yl)ethoxy group, 3-(1,1'-biphenyl-4-yl)propoxy group, 4-(1,1'-biphenyl-4-yl)butoxy group, 5-(1,1'-biphenyl-4-yl)pentyloxy group, 6-(1,1'-biphenyl-4-yl)hexyloxy group or the like.

A phenyl C3-6 alkenyloxy group which may be substituted on the phenyl ring by at least one halogen atom includes a phenyl C3-6 alkenyloxy group which may
 25 be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 halogen atoms, for example, a 3-phenyl-2-propenyloxy group (trivial name: cinnamyloxy group), 4-

phenyl-2-butenyloxy group, 4-phenyl-3-butenyloxy group,
 3-(2-fluorophenyl)-2-propenyloxy group, 3-(3-
 fluorophenyl)-2-propenyloxy group, 3-(4-fluorophenyl)-
 2-propenyloxy group, 3-(2,3-difluorophenyl)-2-
 5 propenyloxy group, 3-(2,4-difluorophenyl)-2-propenyloxy
 group, 3-(3,4-difluorophenyl)-2-propenyloxy group, 3-
 (3,5-difluorophenyl)-2-propenyloxy group, 3-(2-
 chlorophenyl)-2-propenyloxy group, 3-(3-chlorophenyl)-
 2-propenyloxy group, 3-(4-chlorophenyl)-2-propenyloxy
 10 group, 3-(2,4,6-trichlorophenyl)-2-propenyloxy group,
 3-(2,3,4,5,6-pentafluorophenyl)-2-propenyloxy group, 3-
 (2,3-dichlorophenyl)-2-propenyloxy group, 3-(2,4-
 dichlorophenyl)-2-propenyloxy group, 3-(3,4-dichloro-
 phenyl)-2-propenyloxy group, 3-(3,5-dichlorophenyl)-2-
 15 propenyloxy group, 3-(2-bromophenyl)-2-propenyloxy
 group, 3-(3-bromophenyl)-2-propenyloxy group, 3-(4-
 bromophenyl)-2-propenyloxy group, 4-(4-chlorophenyl)-3-
 butenyloxy group, 4-(2,3-dichlorophenyl)-3-butenyloxy
 group, 4-(2,4-dichlorophenyl)-3-butenyloxy group, 4-
 20 (3,4-dichlorophenyl)-3-butenyloxy group, 4-(3,5-
 dichlorophenyl)-3-butenyloxy group, 5-(4-chlorophenyl)-
 4-pentenyl group, 5-(2,3-dichlorophenyl)-4-
 pentenyloxy group, 5-(2,4-dichlorophenyl)-4-pentenyl
 group, 5-(3,4-dichlorophenyl)-4-pentenyl group, 5-
 25 (3,5-dichlorophenyl)-4-pentenyl group, 6-(4-
 chlorophenyl)-5-hexenyloxy group, 6-(2,3-dichloro-
 phenyl)-5-hexenyloxy group, 6-(2,4-dichlorophenyl)-5-
 hexenyloxy group, 6-(3,4-dichlorophenyl)-5-hexenyloxy

group, 6-(3,5-dichlorophenyl)-5-hexenyloxy group or the like.

A phenoxy group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom, cyano group, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group) includes a phenoxy group (which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a halogen atom, cyano group, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group), for example, a phenoxy group, 2-fluorophenoxy group, 3-fluorophenoxy group, 4-fluorophenoxy group, 2-chlorophenoxy group, 3-chlorophenoxy group, 4-chlorophenoxy group, 2-bromophenoxy group, 3-bromophenoxy group, 4-bromophenoxy group, 2,3-dichlorophenoxy group, 3,4-dichlorophenoxy group, 2,4-dichlorophenoxy group, 3,4,5-trichlorophenoxy group, 2,4,6-trichlorophenoxy group, 2,3,4,5,6-pentafluorophenoxy group, 2-cyanophenoxy group, 3-cyanophenoxy group, 4-cyanophenoxy group, 2-methylphenoxy group, 2,4,6-tricyanophenoxy group, 2,3-dicyanophenoxy group, 3-methylphenoxy group, 4-methylphenoxy group, 2-ethylphenoxy group, 3-ethylphenoxy group, 4-ethylphenoxy group, 4-n-propylphenoxy group, 4-tert-butylphenoxy group, 4-n-butylphenoxy group, 2-trifluoromethylphenoxy

group, 3-trifluoromethylphenoxy group, 4-trifluoromethylphenoxy group, 2-pentafluoroethylphenoxy group, 3-pentafluoroethylphenoxy group, 2,3-dimethylphenoxy group, 3,4,5-trimethylphenoxy group, 4-n-pentylphenoxy group, 4-n-hexylphenoxy group, 2-methoxyphenoxy group, 3-methoxyphenoxy group, 4-methoxyphenoxy group, 2-ethoxyphenoxy group, 3-ethoxyphenoxy group, 4-ethoxyphenoxy group, 4-n-propoxyphenoxy group, 4-tert-butoxyphenoxy group, 4-n-butoxyphenoxy group, 2-trifluoromethoxyphenoxy group, 3-trifluoromethoxyphenoxy group, 4-trifluoromethoxyphenoxy group, 2-pentafluoroethoxyphenoxy group, 3-pentafluoroethoxyphenoxy group, 2,3-dimethoxyphenoxy group, 3,4,5-trimethoxyphenoxy group, 4-n-pentyloxyphenoxy group, 4-n-hexyloxyphenoxy group or the like.

A phenyl C1-6 alkoxy-carbonyl group (which may be substituted on the phenyl ring by at least one halogen-substituted or unsubstituted C1-6 alkoxy group) includes a phenyl C1-6 alkoxy-carbonyl group (which may be substituted on the phenyl ring by 1 to 3 halogen-substituted or unsubstituted C1-6 alkoxy groups), for example, a benzyloxy-carbonyl group, phenylethoxy-carbonyl group, 3-phenylpropoxy-carbonyl group, 2-phenylpropoxy-carbonyl group, 4-phenylbutoxy-carbonyl group, 5-phenylpentoxy-carbonyl group, 4-phenylpentoxy-carbonyl group, 6-phenylhexyloxy-carbonyl group, 2-methoxybenzyloxy-carbonyl group, 2,4-dimethoxybenzyloxy-carbonyl group, 2,4,6-trimethoxybenzyloxy-carbonyl

group, 2-trifluoromethoxybenzyloxycarbonyl group, 3-trifluoromethoxybenzyloxycarbonyl group, 4-trifluoromethoxybenzyloxycarbonyl group, 2-(2-trifluoromethoxyphenyl)ethoxycarbonyl group, 2-(3-trifluoromethoxyphenyl)ethoxycarbonyl group, 2-(4-trifluoromethoxyphenyl)ethoxycarbonyl group, 3-(3-trifluoromethoxyphenyl)propoxycarbonyl group, 3-(4-trifluoromethoxyphenyl)propoxycarbonyl group, 4-(4-trifluoromethoxyphenyl)pentoxycarbonyl group, 6-(4-trifluoromethoxyphenyl)hexyloxycarbonyl group or the like.

A phenyl C1-6 alkylcarbamoyl group which may be substituted on the phenyl ring by at least one halogen atom includes a phenyl C1-6 alkylcarbamoyl group which may be substituted on the phenyl ring by 1 to 5 halogen atoms, for example, a benzylcarbamoyl group, 2-phenethylcarbamoyl group, 3-phenylpropylcarbamoyl group, 2-phenylpropylcarbamoyl group, 4-phenylbutylcarbamoyl group, 5-phenylpentylcarbamoyl group, 4-phenylpentylcarbamoyl group, 6-phenylhexylcarbamoyl group, 2-fluorobenzylcarbamoyl group, 3-fluorobenzylcarbamoyl group, 2,4,6-trichlorobenzylcarbamoyl group, 2,3,4,5,6-pentafluorobenzylcarbamoyl group, 4-fluorobenzylcarbamoyl group, 2-chlorobenzylcarbamoyl group, 3-chlorobenzylcarbamoyl group, 4-chlorobenzylcarbamoyl group, 2-bromobenzylcarbamoyl group, 3-bromobenzylcarbamoyl group, 4-bromobenzylcarbamoyl group, 2-iodobenzylcarbamoyl group, 3-iodobenzylcarbamoyl group, 4-iodobenzylcarbamoyl group,

2,3-difluorobenzylcarbamoyl group, 3,4-difluorobenzylcarbamoyl group, 3,5-difluorobenzylcarbamoyl group, 2,4-difluorobenzylcarbamoyl group, 2,6-difluorobenzylcarbamoyl group, 2,3-dichlorobenzylcarbamoyl group, 5 3,4-dichlorobenzylcarbamoyl group, 3,5-dichlorobenzylcarbamoyl group, 2,4-dichlorobenzylcarbamoyl group, 2,6-dichlorobenzylcarbamoyl group or the like.

A phenylthio group (which may be substituted on the phenyl ring by at least one halogen-substituted 10 or unsubstituted C1-6 alkoxy group) includes a phenylthio group (which may be substituted on the phenyl ring by 1 to 3 halogen-substituted or unsubstituted C1-6 alkoxy groups), for example, a phenylthio group, 2-methoxyphenylthio group, 3-methoxyphenylthio 15 group, 4-methoxyphenylthio group, 2,4-dimethoxyphenylthio group, 2,4,6-trimethoxyphenylthio group, 3,5-ditrifluoromethoxyphenylthio group, 2-trifluoromethoxyphenylthio group, 3-trifluoromethoxyphenylthio group, 4-trifluoromethoxyphenylthio group, 4- 20 ethoxyphenylthio group, 4-pentafluoroethoxyphenylthio group, 4-propoxyphenylthio group, 4-butoxyphenylthio group, 4-pentyloxyphenylthio group, 4-hexyloxyphenylthio group or the like.

A phenylsulfoxide group (which may be 25 substituted on the phenyl ring by at least one halogen-substituted or unsubstituted C1-6 alkoxy group) includes a phenylsulfoxide group (which may be substituted on the phenyl ring by 1 to 3 halogen-

substituted or unsubstituted C1-6 alkoxy groups), for example, a phenylsulfoxide group, 2-methoxyphenylsulfoxide group, 3-methoxyphenylsulfoxide group, 4-methoxyphenylsulfoxide group, 2,4-dimethoxyphenylsulfoxide group, 2,4,6-trimethoxyphenylsulfoxide group, 3,5-ditrifluoromethoxyphenylsulfoxide group, 2-trifluoromethoxyphenylsulfoxide group, 3-trifluoromethoxyphenylsulfoxide group, 4-trifluoromethoxyphenylsulfoxide group or the like.

10 A pyridyl C1-6 alkoxy group includes, for example, 2-pyridylmethoxy group, 3-pyridylmethoxy group, 4-pyridylmethoxy group, 2-(2-pyridyl)ethoxy group, 2-(3-pyridyl)ethoxy group, 2-(4-pyridyl)ethoxy group, 3-(2-pyridyl)propoxy group, 3-(3-pyridyl)propoxy group, 3-(4-pyridyl)propoxy group, 4-(2-pyridyl)butoxy group, 4-(3-pyridyl)butoxy group, 4-(4-pyridyl)butoxy group, 5-(2-pyridyl)pentyloxy group, 5-(3-pyridyl)pentyloxy group, 5-(4-pyridyl)pentyloxy group, 6-(2-pyridyl)hexyloxy group, 6-(3-pyridyl)hexyloxy group, 6-(4-pyridyl)hexyloxy group or the like.

 A phenyl C2-6 alkanoyl group which may be substituted on the phenyl ring by at least one halogen atom includes a phenyl C2-6 alkanoyl group which may be substituted on the phenyl ring by 1 to 5 halogen atoms, 25 for example, a phenylacetyl group, 3-phenylpropionyl group, 4-phenylbutyryl group, 5-phenylpentanoyl group, 6-phenylhexanoyl group, 2-fluorophenylacetyl group, 3-fluorophenylacetyl group, 4-fluorophenylacetyl group,

2-chlorophenylacetyl group, 3-chlorophenylacetyl group,
 4-chlorophenylacetyl group, 2-bromophenylacetyl group,
 3-bromophenylacetyl group, 4-bromophenylacetyl group,
 2,3-dichlorophenylacetyl group, 2,4,6-trichlorophenyl-
 5 acetyl group, 2,3,4,5,6-pentafluorophenylacetyl group,
 3-(2-fluorophenyl)propionyl group, 3-(3-fluorophenyl)-
 propionyl group, 3-(4-fluorophenyl)propionyl group, 3-
 (2-chlorophenyl)propionyl group, 3-(3-chlorophenyl)-
 propionyl group, 3-(4-chlorophenyl)propionyl group, 3-
 10 (2-bromophenyl)propionyl group, 3-(3-bromophenyl)-
 propionyl group, 3-(4-bromophenyl)propionyl group, 4-
 (4-fluorophenyl)butyryl group, 4-(3-chlorophenyl)-
 butyryl group, 4-(4-chlorophenyl)butyryl group, 5-(4-
 fluorophenyl)pentanoyl group, 5-(3-chlorophenyl)-
 15 pentanoyl group, 5-(4-chlorophenyl)pentanoyl group, 6-
 (4-fluorophenyl)hexanoyl group, 5-(3-chlorophenyl)-
 hexanoyl group, 6-(4-chlorophenyl)hexanoyl group or the
 like.

A phenylcarbamoyl group (which may be
 20 substituted on the phenyl ring by at least one halogen-
 substituted or unsubstituted C1-6 alkyl group) includes
 a phenylcarbamoyl group (which may be substituted on
 the phenyl ring by 1 to 3 halogen-substituted or
 unsubstituted C1-6 alkyl groups) wherein the amino
 25 moiety of the carbamoyl group may be substituted
 further by a C1-6 alkyl group or a phenyl C1-6 alkyl
 group, for example, a phenylcarbamoyl group, 2-
 methylphenylcarbamoyl group, 3-methylphenylcarbamoyl

group, 4-methylphenylcarbamoyl group, 3,4-dimethylphenylcarbamoyl group, 2,4,6-trimethylphenylcarbamoyl group, 4-n-propylphenylcarbamoyl group, 4-n-butylphenylcarbamoyl group, 3-n-pentylphenylcarbamoyl group, 2-n-hexylphenylcarbamoyl group, 2-trifluoromethylphenylcarbamoyl group, 3-trifluoromethylphenylcarbamoyl group, 4-trifluoromethylphenylcarbamoyl group, N-methyl-N-phenylcarbamoyl group, N-(2-methylphenyl)-N-methylcarbamoyl group, N-(3-ethylphenyl)-N-methylcarbamoyl group, N-(4-n-hexylphenyl)-N-methylcarbamoyl group, N-(2-isopropylphenyl)-N-methylcarbamoyl group, N-(3-n-butylphenyl)-N-methylcarbamoyl group, N-(4-tert-butylphenyl)-N-methylcarbamoyl group, N-(4-n-pentylphenyl)-N-methylcarbamoyl group, N-benzyl-N-phenylcarbamoyl group, N-benzyl-N-(2-trifluoromethylphenyl)carbamoyl group, N-benzyl-N-(2,3-dimethylphenyl)carbamoyl group, N-benzyl-N-(2,4,6-trimethylphenyl)carbamoyl group, N-benzyl-N-(3,5-ditrifluoromethylphenyl)carbamoyl group, N-benzyl-N-(3-methylphenyl)carbamoyl group, N-benzyl-N-(4-tert-butylphenyl)carbamoyl group, N-benzyl-N-(2-isopropylphenyl)carbamoyl group, N-benzyl-N-(3-n-propylphenyl)carbamoyl group, N-benzyl-N-(4-ethylphenyl)carbamoyl group or the like.

25 A piperidinyloxycarbonyl group (which may be substituted on the piperidine ring by at least one phenyl group (which may be substituted on the phenyl ring by at least one halogen-substituted or unsubsti-

tuted C1-6 alkyl group) as a substituent) includes a piperidinyloxycarbonyl group (which may be substituted on the piperidine ring by 1 to 3 phenyl groups (which may be substituted on the phenyl ring by 1 to 3

5 halogen-substituted or unsubstituted C1-6 alkyl groups) as a substituent), for example, piperidin-1-yloxy-carbonyl group, piperidin-2-yloxy carbonyl group, piperidin-3-yloxy carbonyl group, piperidin-4-yloxy carbonyl group, 1-phenylpiperidin-4-yloxy carbonyl

10 group, 1,2-diphenylpiperidin-4-yloxy carbonyl group, 1,3,4-triphenylpiperidin-4-yloxy carbonyl group, 1-(2-methylphenyl)piperidin-4-yloxy carbonyl group, 1-(3-methylphenyl)piperidin-4-yloxy carbonyl group, 1-(4-methylphenyl)piperidin-4-yloxy carbonyl group, 1-(2,4-

15 dimethylphenyl)piperidin-4-yloxy carbonyl group, 1-(2,4,6-trimethylphenyl)piperidin-4-yloxy carbonyl group, 1-(2-trifluoromethylphenyl)piperidin-4-yloxy carbonyl group, 1-(3-trifluoromethylphenyl)piperidin-4-yloxy carbonyl group, 1-(3,5-ditrifluoromethylphenyl)-

20 piperidin-4-yloxy carbonyl group, 1-(4-trifluoromethylphenyl)piperidin-4-yloxy carbonyl group, 1-(2-pentafluoroethylphenyl)piperidin-4-yloxy carbonyl group, 1-(3-pentafluoroethylphenyl)piperidin-4-yloxy carbonyl group, 1-(4-pentafluoroethylphenyl)piperidin-4-

25 yloxy carbonyl group, 1-(2-n-propylphenyl)piperidin-4-yloxy carbonyl group, 1-(3-n-propylphenyl)piperidin-4-yloxy carbonyl group, 1-(4-n-propylphenyl)piperidin-4-yloxy carbonyl group or the like.

A 5-membered to 6-membered saturated heterocycle formed by bonding R^{24} and R^{25} to each other through the adjacent nitrogen atom is a heterocycle by bonding R^{24} and R^{25} to each other through or not through a nitrogen atom, oxygen atom or sulfur atom together with the adjacent nitrogen atom, examples of which include a pyrrolidinyl group, piperazyl group, piperidyl group, morpholino group, thiomorpholino group or the like.

A C3-8 cycloalkyl-C1-6 alkyl group includes, for example, a cyclopropylmethyl group, 2-cyclopropylethyl group, 3-cyclopropylpropyl group, 4-cyclopropylbutyl group, 4-cyclopropylpentyl group, 6-cyclopropylhexyl group, cyclobutylmethyl group, 2-cyclobutylethyl group, 3-cyclobutylpropyl group, 4-cyclobutylbutyl group, 4-cyclobutylpentyl group, 6-cyclobutylhexyl group, cyclopentylmethyl group, 2-cyclopentylethyl group, 3-cyclopentylpropyl group, 4-cyclopentylbutyl group, 4-cyclopentylpentyl group, 6-cyclopentylhexyl group, cyclohexylmethyl group, 2-cyclohexylethyl group, 3-cyclohexylpropyl group, 4-cyclohexylbutyl group, 4-cyclohexylpentyl group, 6-cyclohexylhexyl group, cycloheptylmethyl group, 2-cycloheptylethyl group, 3-cycloheptylpropyl group, 4-cycloheptylbutyl group, 4-cycloheptylpentyl group, 6-cycloheptylhexyl group, cyclooctylmethyl group, 2-cyclooctylethyl group, 3-cyclooctylpropyl group, 4-cyclooctylbutyl group, 4-cyclooctylpentyl group, 6-

cyclooctylhexyl group or the like.

A phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by 1 to 3 groups selected from a group consisting of a halogen atom; cyano group; halogen-substituted or unsubstituted C1-6 alkyl group; C3-8 cycloalkyl group; halogen-substituted or unsubstituted C1-6 alkoxy group; amino group which may have a C1-6 alkyl group as a substituent; C1-6 alkoxycarbonyl group; phenoxy group; phenyl C1-6 alkyl group; phenyl C2-6 alkenyl group; pyridyl group; imidazolyl group; and piperizynyl group) includes, for example, a benzyl group, 1-phenethyl group, 2-phenethyl group, 3-phenylpropyl group, 2-phenylpropyl group, 4-phenylbutyl group, 5-phenylpentyl group, 4-phenylpentyl group, 6-phenylhexyl group, 4-cyanobenzyl group, 2,3-dicyanobenzyl group, 2,4,6-tricyanobenzyl group, 2-(4-cyanophenyl)ethyl group, 3-(4-cyanophenyl)propyl group, 2-(4-cyanophenyl)propyl group, 4-(4-cyanophenyl)butyl group, 5-(4-cyanophenyl)pentyl group, 4-(4-cyanophenyl)pentyl group, 6-(4-cyanophenyl)hexyl group, 2-cyanobenzyl group, 2-(3-cyanophenyl)ethyl group, 3-(2-cyanophenyl)propyl group, 2-(2-cyanophenyl)propyl group, 4-(3-cyanophenyl)butyl group, 5-(2-cyanophenyl)pentyl group, 4-(3-cyanophenyl)pentyl group, 6-(3-cyanophenyl)hexyl group, 2-fluorobenzyl group, 3-fluorobenzyl group, 4-fluorobenzyl group, 2-chlorobenzyl group, 3-chlorobenzyl group, 4-chlorobenzyl group, 2-bromobenzyl group, 3-bromobenzyl group, 4-

bromobenzyl group, 2-iodobenzyl group, 3-iodobenzyl
 group, 4-iodobenzyl group, 2,3-difluorobenzyl group,
 3,4-difluorobenzyl group, 3,5-difluorobenzyl group,
 2,4-difluorobenzyl group, 2,6-difluorobenzyl group,
 5 2,3-dichlorobenzyl group, 3,4-dichlorobenzyl group,
 3,5-dichlorobenzyl group, 2,4,6-trichlorobenzyl group,
 2,4-dichlorobenzyl group, 2,6-dichlorobenzyl group, 2-
 trifluorobenzyl group, 2-methylbenzyl group, 2,4-
 dimethylbenzyl group, 2,4,6-trimethylbenzyl group, 3,5-
 10 ditrifluoromethylbenzyl group, 3-trifluoromethylbenzyl
 group, 4-trifluoromethylbenzyl group, 2-pentafluoro-
 ethylbenzyl group, 3-pentafluoroethylbenzyl group, 4-
 pentafluoroethylbenzyl group, 2-trifluoromethoxybenzyl
 group, 3-trifluoromethoxybenzyl group, 4-trifluoro-
 15 methoxybenzyl group, 2-pentafluoroethoxybenzyl group,
 3-pentafluoroethoxybenzyl group, 4-pentafluoroethoxy-
 benzyl group, 2-(2-trifluoromethylphenyl)ethyl group,
 2-(3-trifluoromethylphenyl)ethyl group, 2-(4-
 trifluoromethylphenyl)ethyl group, 2-methoxybenzyl
 20 group, 2,4-dimethoxybenzyl group, 2,4,6-trimethoxy-
 benzyl group, 3,5-ditrifluoromethoxybenzyl group, 2-
 chloro-4-trifluoromethylbenzyl group, 3-fluoro-4-
 trichloromethoxybenzyl group, 2-(2-trifluoromethoxy-
 phenyl)ethyl group, 2-(3-trifluoromethoxyphenyl)ethyl
 25 group, 2-(4-trifluoromethoxyphenyl)ethyl group, 2-(2-
 pentafluoroethoxyphenyl)ethyl group, 2-(3-pentafluoro-
 ethoxyphenyl)ethyl group, 2-(4-pentafluoroethoxy-
 phenyl)ethyl group, 3-(2-trifluoromethylphenyl)propyl

group, 3-(3-trifluoromethylphenyl)propyl group, 3-(4-trifluoromethylphenyl)propyl group, 3-(2-trifluoromethoxyphenyl)propyl group, 3-(3-trifluoromethoxyphenyl)propyl group, 3-(4-trifluoromethoxyphenyl)propyl group, 3-(3-pentafluoroethoxyphenyl)propyl group, 3-(4-pentafluoroethoxyphenyl)propyl group, 4-(3-pentafluoroethoxyphenyl)butyl group, 5-(4-trifluoromethylphenyl)pentyl group, 4-(4-trifluoromethylphenyl)pentyl group, 4-(4-trifluoromethoxyphenyl)pentyl group, 6-(3-trifluoromethylphenyl)hexyl group, 6-(4-trifluoromethylphenyl)hexyl group, 6-(4-trifluoromethoxyphenyl)hexyl group, 2-cyclohexylbenzyl group, 3-cyclohexylbenzyl group, 4-cyclohexylbenzyl group, 2-(2-cyclohexylphenyl)ethyl group, 2-(3-cyclohexylphenyl)ethyl group, 2-(4-cyclohexylphenyl)ethyl group, 3-(2-cyclohexylphenyl)propyl group, 3-(3-cyclohexylphenyl)propyl group, 3-(4-cyclohexylphenyl)propyl group, 3-aminobenzyl group, 2,4-diaminobenzyl group, 2,4,6-triaminobenzyl group, 2-dimethylaminobenzyl group, 3-dimethylaminobenzyl group, 4-dimethylaminobenzyl group, 2-(2-dimethylaminophenyl)ethyl group, 2-(3-dimethylaminophenyl)ethyl group, 2-(4-dimethylaminophenyl)ethyl group, 3-(2-dimethylaminophenyl)propyl group, 3-(3-dimethylaminophenyl)propyl group, 3-(4-dimethylaminophenyl)propyl group, 2-methoxycarbonylbenzyl group, 3-methoxycarbonylbenzyl group, 4-methoxycarbonylbenzyl group, 2-(2-methoxycarbonylphenyl)ethyl group, 2-(3-methoxycarbonylphenyl)ethyl group, 2-(4-methoxy-

carbonylphenyl)ethyl group, 3-(2-methoxycarbonyl-
 phenyl)propyl group, 3-(3-methoxycarbonylphenyl)propyl
 group, 3-(4-methoxycarbonylphenyl)propyl group, 2-
 ethoxycarbonylbenzyl group, 3-ethoxycarbonylbenzyl
 5 group, 4-ethoxycarbonylbenzyl group, 2-(2-
 ethoxycarbonylphenyl)ethyl group, 2-(3-ethoxycarbonyl-
 phenyl)ethyl group, 2-(4-ethoxycarbonylphenyl)ethyl
 group, 3-(2-ethoxycarbonylphenyl)propyl group, 3-(3-
 ethoxycarbonylphenyl)propyl group, 3-(4-ethoxycarbonyl-
 10 phenyl)propyl group, 2-phenoxybenzyl group, 3-phenoxy-
 benzyl group, 4-phenoxybenzyl group, 2-styrylbenzyl
 group, 3-styrylbenzyl group, 4-styrylbenzyl group, 2-
 (2-phenoxyphenyl)ethyl group, 2-(3-phenoxyphenyl)ethyl
 group, 2-(4-phenoxyphenyl)ethyl group, 3-(2-phenoxy-
 15 phenyl)propyl group, 3-(3-phenoxyphenyl)propyl group,
 3-(4-phenoxyphenyl)propyl group, 2-benzylbenzyl group,
 3-benzylbenzyl group, 4-benzylbenzyl group, 2-(2-
 benzylphenyl)ethyl group, 2-(3-benzylphenyl)ethyl
 group, 2-(4-benzylphenyl)ethyl group, 3-(2-benzyl-
 20 phenyl)propyl group, 3-(3-benzylphenyl)propyl group, 3-
 (4-benzylphenyl)propyl group, 2-(2-phenethyl)benzyl
 group, 3-(2-phenethyl)benzyl group, 4-(2-phenethyl)-
 benzyl group, 2-(2-(1-phenethyl)phenyl)ethyl group, 2-
 (3-(2-phenethyl)phenyl)ethyl group, 2-(4-(2-phenethyl)-
 25 phenyl)ethyl group, 2-(3-(2-phenethyl)phenyl)propyl
 group, 3-(2-(2-phenethyl)phenyl)propyl group, 3-(4-(1-
 phenethyl)phenyl)propyl group, 2-(3-pyridyl)benzyl
 group, 3-(3-pyridyl)benzyl group, 4-(3-pyridyl)benzyl

group, 2-(1-imidazolyl)benzyl group, 3-(1-imidazolyl)-benzyl group, 4-(1-imidazolyl)benzyl group, 2-(1-piperidino)benzyl group, 3-(1-piperidino)benzyl group, 4-(1-piperidino)benzyl group or the like.

- 5 A biphenylyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group, a halogen-substituted or unsubstituted C1-6 alkoxy
- 10 group and an amino group which may have a C1-6 alkyl group as a substituent) includes a biphenylyl C1-6 alkyl group (which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a halogen atom, a halogen-
- 15 substituted or unsubstituted C1-6 alkyl group, a halogen-substituted or unsubstituted C1-6 alkoxy group and an amino group which may have 1 to 2 C1-6 alkyl groups as a substituent), for example, a 2-
- 20 biphenylylmethyl group, 3-biphenylylmethyl group, 4-biphenylylmethyl group, 2-(2-biphenylyl)ethyl group, 2-(3-biphenylyl)ethyl group, 2-(4-biphenylyl)ethyl group, 3-(2-biphenylyl)propyl group, 3-(3-biphenylyl)propyl group, 3-(4-biphenylyl)propyl group, 4-(4-biphenylyl)-
- 25 butyl group, 5-(4-biphenylyl)pentyl group, 6-(4-biphenylyl)hexyl group, 2'-fluoro-2-biphenylylmethyl group, 2'-fluoro-3-biphenylylmethyl group, 2'-fluoro-4-biphenylylmethyl group, 3'-fluoro-2-biphenylylmethyl group, 3'-fluoro-3-biphenylylmethyl group, 3'-fluoro-4-

biphenylylmethyl group, 4'-fluoro-2-biphenylylmethyl
 group, 4'-fluoro-3-biphenylylmethyl group, 4'-fluoro-4-
 biphenylylmethyl group, 2'-chloro-2-biphenylylmethyl
 group, 2'-chloro-3-biphenylylmethyl group, 2'-chloro-4-
 5 biphenylylmethyl group, 3'-chloro-2-biphenylylmethyl
 group, 3'-chloro-3-biphenylylmethyl group, 3'-chloro-4-
 biphenylylmethyl group, 4'-chloro-2-biphenylylmethyl
 group, 4'-chloro-3-biphenylylmethyl group, 4'-chloro-4-
 biphenylylmethyl group, 2',4'-dichloro-4-biphenylyl-
 10 methyl group, 2',4',6'-trichloro-3-biphenylylmethyl
 group, 3',5'-ditrinitrofluoromethyl-4-biphenylylmethyl
 group, 2',3',4',5',6'-pentafluoro-3-biphenylylmethyl
 group, 2'-methyl-2-biphenylylmethyl group, 2'-methyl-3-
 biphenylylmethyl group, 2'-methyl-4-biphenylylmethyl
 15 group, 3'-methyl-2-biphenylylmethyl group, 3'-methyl-3-
 biphenylylmethyl group, 3'-methyl-4-biphenylylmethyl
 group, 4'-methyl-2-biphenylylmethyl group, 4'-methyl-3-
 biphenylylmethyl group, 4'-methyl-4-biphenylylmethyl
 group, 2'-trifluoromethyl-2-biphenylylmethyl group, 2'-
 20 trifluoromethyl-3-biphenylylmethyl group, 2'-
 trifluoromethyl-4-biphenylylmethyl group, 3'-
 trifluoromethyl-2-biphenylylmethyl group, 3'-
 trifluoromethyl-3-biphenylylmethyl group, 3'-
 trifluoromethyl-4-biphenylylmethyl group, 4'-
 25 trifluoromethyl-2-biphenylylmethyl group, 4'-
 trifluoromethyl-3-biphenylylmethyl group, 4'-
 trifluoromethyl-4-biphenylylmethyl group, 2'-methoxy-2-
 biphenylylmethyl group, 2'-methoxy-3-biphenylylmethyl

group, 2'-methoxy-4-biphenylylmethyl group, 3'-methoxy-2-biphenylylmethyl group, 3'-methoxy-3-biphenylylmethyl group, 2',4'-dimethoxy-3-biphenylylmethyl group, 2',4',6'-trimethoxy-4-biphenylylmethyl group, 2'-

5 methoxy-4'-trifluoromethyl-2-biphenylylmethyl group, 3'-methyl-4'-trifluoromethoxy-2-biphenylylmethyl group, 2'-chloro-4'-trifluoromethoxy-3-biphenylylmethyl group, 3'-methoxy-4-biphenylylmethyl group, 4'-methoxy-2-biphenylylmethyl group, 4'-methoxy-3-biphenylylmethyl

10 group, 4'-methoxy-4-biphenylylmethyl group, 2'-trifluoromethoxy-2-biphenylylmethyl group, 2'-trifluoromethoxy-3-biphenylylmethyl group, 2'-trifluoromethoxy-4-biphenylylmethyl group, 3'-trifluoromethoxy-2-biphenylylmethyl group, 3'-

15 trifluoromethoxy-3-biphenylylmethyl group, 3'-trifluoromethoxy-4-biphenylylmethyl group, 4'-trifluoromethoxy-2-biphenylylmethyl group, 4'-trifluoromethoxy-3-biphenylylmethyl group, 4'-trifluoromethoxy-4-biphenylylmethyl group, 2-(4'-

20 trifluoromethoxy-4-biphenylyl)ethyl group, 3-(4'-trifluoromethoxy-4-biphenylyl)propyl group, 3-(4'-trifluoromethoxy-4-biphenylyl)propyl group, 4-(4'-trifluoromethoxy-4-biphenylyl)butyl group, 5-(4'-trifluoromethoxy-4-biphenylyl)pentyl group, 6-(4'-

25 trifluoromethoxy-4-biphenylyl)hexyl group, 4'-dimethylamino-3-biphenylylmethyl group, 4'-dimethylamino-4-biphenylylmethyl group or the like.

A naphthyl C1-6 alkyl group includes, for

example, 1-naphthylmethyl group, 2-naphthylmethyl group, 2-(1-naphthyl)ethyl group, 1-(2-naphthyl)ethyl group, 3-(1-naphthyl)propyl group, 3-(2-naphthyl)propyl group, 4-(1-naphthyl)butyl group, 4-(2-naphthyl)butyl group, 5-(1-naphthyl)pentyl group, 5-(2-naphthyl)pentyl group, 6-(1-naphthyl)hexyl group, 6-(2-naphthyl)hexyl group or the like.

A phenyl group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom; cyano group; amino group which may have a C1-6 alkyl group as a substituent; halogen-substituted or unsubstituted C1-6 alkyl group; halogen-substituted or unsubstituted C1-6 alkoxy group; C1-6 alkoxycarbonyl group; carboxyl group; phenoxy group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group); amino C1-6 alkyl group (which may have on the amino group at least one group selected from a group consisting of a phenyl group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group) and a C1-6 alkyl group); and a phenyl C1-6 alkoxy group (which may be substituted on the phenyl ring by at least one group selected from a

group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group) includes a phenyl group (which may be substituted on

5 the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a halogen atom; cyano group; amino group which may have a C1-6 alkyl group as a substituent; halogen-substituted or unsubstituted C1-6 alkyl group; halogen-substituted or

10 unsubstituted C1-6 alkoxy group; C1-6 alkoxycarbonyl group; carboxyl group; phenoxy group (which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a

15 halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group); amino C1-6 alkyl group (which may have 1 to 2 groups on the amino group selected from a group consisting of a phenyl group (which may be

20 substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group) and a C1-6 alkyl group); and a phenyl C1-6 alkoxy group (which may be substituted on

25 the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy

group), for example, a phenyl group, 2-fluorophenyl group, 3-fluorophenyl group, 4-fluorophenyl group, 2-chlorophenyl group, 3-chlorophenyl group, 4-chlorophenyl group, 2-bromophenyl group, 3-bromophenyl group, 4-bromophenyl group, 2-iodophenyl group, 3-iodophenyl group, 4-iodophenyl group, 2,3-difluorophenyl group, 3,4-difluorophenyl group, 3,5-difluorophenyl group, 2,4-difluorophenyl group, 2,6-difluorophenyl group, 2,3-dichlorophenyl group, 3,4-dichlorophenyl group, 3,5-dichlorophenyl group, 2,4-dichlorophenyl group, 2,6-dichlorophenyl group, 3,4,5-trifluorophenyl group, 2,3,4,5,6-pentafluorophenyl group, 3,4,5-trichlorophenyl group, 2,4,6-trifluorophenyl group, 2,4,6-trichlorophenyl group, 2-cyanophenyl group, 3-cyanophenyl group, 4-cyanophenyl group, 2,4-dicyanophenyl group, 2,4,6-tricyanophenyl group, 2-methylphenyl group, 3-methylphenyl group, 4-methylphenyl group, 2,3-dimethylphenyl group, 2,4,6-trimethylphenyl group, 2-methyl-3-chlorophenyl group, 3-methyl-4-chlorophenyl group, 2-chloro-4-methylphenyl group, 2-methyl-3-fluorophenyl group, 2-trifluoromethylphenyl group, 3-trifluoromethylphenyl group, 4-trifluoromethylphenyl group, 2-pentafluoroethylphenyl group, 3-pentafluoroethylphenyl group, 4-pentafluoroethylphenyl group, 2-isopropylphenyl group, 3-isopropylphenyl group, 4-isopropylphenyl group, 2-tert-butylphenyl group, 3-tert-butylphenyl group, 4-tert-butylphenyl group, 2-sec-butylphenyl group, 3-sec-

butylphenyl group, 4-sec-butylphenyl group, 2-n-
 heptafluoropropylphenyl group, 3-n-heptafluoropropyl-
 phenyl group, 4-n-heptafluoropropylphenyl group, 4-
 pentylphenyl group, 4-hexylphenyl group, 2-methoxy-
 5 phenyl group, 3-methoxyphenyl group, 4-methoxyphenyl
 group, 2, 4-dimethoxyphenyl group, 2,4,6-trimethoxy-
 phenyl group, 2-methoxy-3-chlorophenyl group, 2-fluoro-
 3-methoxyphenyl group, 2-fluoro-4-methoxyphenyl group,
 2,6-dimethoxyphenyl group, 2,3,4-trifluorophenyl group,
 10 2-trifluoromethoxyphenyl group, 3-trifluoromethoxy-
 phenyl group, 4-trifluoromethoxyphenyl group, 2-
 pentafluoroethoxyphenyl group, 3-pentafluoroethoxy-
 phenyl group, 4-pentafluoroethoxyphenyl group, 2-
 isopropoxyphenyl group, 3-isopropoxyphenyl group, 4-
 15 isopropoxyphenyl group, 2-tert-butoxyphenyl group, 3-
 tert-butoxyphenyl group, 4-tert-butoxyphenyl group, 2-
 sec-butoxyphenyl group, 3-sec-butoxyphenyl group, 4-
 sec-butoxyphenyl group, 2-n-heptafluoropropoxyphenyl
 group, 3-n-heptafluoropropoxyphenyl group, 4-n-
 20 heptafluoropropoxyphenyl group, 4-pentyloxyphenyl
 group, 4-hexyloxyphenyl group, 3-aminophenyl group, 4-
 methylaminophenyl group, 2-dimethylaminophenyl group,
 3-dimethylaminophenyl group, 4-dimethylaminophenyl
 group, 2-methoxycarbonylphenyl group, 3-methoxy-
 25 carbonylphenyl group, 4-methoxycarbonylphenyl group, 2-
 carboxyphenyl group, 3-carboxyphenyl group, 4-carboxy-
 phenyl group, 2,3-dicarboxyphenyl group, 2,4,6-
 tricarboxyphenyl group, 2-ethoxycarbonylphenyl group,

3-ethoxycarbonylphenyl group, 4-ethoxycarbonylphenyl
 group, 2,3-diethoxycarbonylphenyl group, 2,4,6-
 trimethoxycarbonylphenyl group, 2-phenoxyphenyl group,
 3-phenoxyphenyl group, 4-phenoxyphenyl group, 2-(2-
 5 chlorophenoxy)phenyl group, 2-(3-chlorophenoxy)phenyl
 group, 2-(4-chlorophenoxy)phenyl group, 3-(2-chloro-
 phenoxy)phenyl group, 3-(3-chlorophenoxy)phenyl group,
 3-(4-chlorophenoxy)phenyl group, 4-(2-chlorophenoxy)-
 phenyl group, 4-(3-chlorophenoxy)phenyl group, 4-(4-
 10 chlorophenoxy)phenyl group, 2-(2-trifluoromethyl-
 phenoxy)phenyl group, 2-(3-trifluoromethylphenoxy)-
 phenyl group, 2-(3-methylphenoxy)phenyl group, 2-(2,3-
 dimethylphenoxy)phenyl group, 2-(3,4,5-trimethyl-
 phenoxy)phenyl group, 2-(4-trifluoromethylphenoxy)-
 15 phenyl group, 3-(2-trifluoromethylphenoxy)phenyl group,
 3-(3-trifluoromethylphenoxy)phenyl group, 3-(4-
 trifluoromethylphenoxy)phenyl group, 4-(2-trifluoro-
 methylphenoxy)phenyl group, 4-(3-trifluoromethyl-
 phenoxy)phenyl group, 4-(4-trifluoromethylphenoxy)-
 20 phenyl group, 2-(3-methoxyphenoxy)phenyl group, 2-(2,3-
 dimethoxyphenoxy)phenyl group, 2-(3,4,5-trimethoxy-
 phenoxy)phenyl group, 2-(2-trifluoromethoxyphenoxy)-
 phenyl group, 2-(3-trifluoromethoxyphenoxy)phenyl
 group, 2-(4-trifluoromethoxyphenoxy)phenyl group, 3-(2-
 25 trifluoromethoxyphenoxy)phenyl group, 3-(3-trifluoro-
 methoxyphenoxy)phenyl group, 3-(4-trifluoromethoxy-
 phenoxy)phenyl group, 4-(2-trifluoromethoxyphenoxy)-
 phenyl group, 4-(3-trifluoromethoxyphenoxy)phenyl

group, 4-(4-trifluoromethoxyphenoxy)phenyl group, 4-aminomethylphenyl group, 4-methylaminomethylphenyl group, 4-dimethylaminomethylphenyl group, 4-diethylaminomethylphenyl group, 4-di(n-propyl)amino-

5 methylphenyl group, 4-(phenylaminomethyl)phenyl group, 4-(2-phenylaminoethyl)phenyl group, 4-(3-phenylaminopropyl)phenyl group, 4-(N-methyl-N-phenylaminomethyl)-phenyl group, 4-(2-N-methyl-N-phenylaminoethyl)phenyl group, 4-(3-N-ethyl-N-phenylaminopropyl)phenyl group,

10 4-(4-chlorophenylaminomethyl)phenyl group, 4-[2-(4-chlorophenylamino)ethyl]phenyl group, 4-[3-(4-chlorophenylamino)propyl]phenyl group, 4-[N-methyl-N-4-chlorophenylamino]methyl]phenyl group, 4-[2-(N-methyl-N-4-chlorophenylamino)ethyl]phenyl group, 4-[3-(N-

15 ethyl-N-4-chlorophenylamino)propyl]phenyl group, 4-(4-trifluoromethylphenylaminomethyl)phenyl group, 4-[2-(4-trifluoromethylphenylamino)ethyl]phenyl group, 4-[2-(4-methylphenylamino)methyl]phenyl group, 4-[2-(2,4-

dimethylphenylamino)methyl]phenyl group, 4-[2-(2,4,6-

20 trimethylphenylamino)methyl]phenyl group, 4-[3-(3,5-ditrifluoromethylphenylamino)propyl]phenyl group, 4-[N-methyl-N-4-trifluoromethylphenylamino]methyl]phenyl group, 4-[2-(N-methyl-N-4-trifluoromethylphenylamino)-ethyl]phenyl group, 4-[3-(N-ethyl-N-4-trifluoromethyl-

25 phenylamino)propyl]phenyl group, 4-[2-(3-methoxyphenylamino)methyl]phenyl group, 4-[2-(2,4-dimethoxyphenylamino)methyl]phenyl group, 4-[2-(2,4,6-trimethoxyphenylamino)methyl]phenyl group, 4-(4-trifluoromethoxy-

phenylaminomethyl)phenyl group, 4-[2-(3,5-ditrifluoromethoxyphenylamino)ethyl]phenyl group, 4-[3-(4-trifluoromethoxyphenylamino)propyl]phenyl group, 4-[N-methyl-N-4-trifluoromethoxyphenylamino]methyl]phenyl

5 group, 4-[2-(N-methyl-N-4-trifluoromethoxyphenylamino)ethyl]phenyl group, 4-[3-(N-ethyl-N-4-trifluoromethoxyphenylamino)propyl]phenyl group, 4-benzyloxyphenyl group, 4-(4-chlorobenzyloxy)phenyl group, 4-[2-(2,3-dichlorophenyl)ethoxy]phenyl group, 4-

10 [3-(4-chlorophenyl)propoxy]phenyl group, 4-[4-(2,4,6-trichlorophenyl)butoxy]phenyl group, 4-(4-methylbenzyloxy)phenyl group, 4-(3,4-dimethylbenzyloxy)phenyl group, 4-(2,4,6-trimethylbenzyloxy)phenyl group, 4-(4-trifluoromethylbenzyloxy)phenyl group, 4-[2-(4-

15 trifluoromethylphenyl)ethoxy]phenyl group, 4-[3-(4-trifluoromethylphenyl)propoxy]phenyl group, 4-[4-(4-trifluoromethylphenyl)butoxy]phenyl group, 4-(4-trifluoromethoxybenzyloxy)phenyl group, 4-(4-methoxybenzyloxy)phenyl group, 4-(3,4-dimethoxy-

20 benzyloxy)phenyl group, 4-(2,4,6-trimethoxybenzyloxy)phenyl group, 4-[2-(4-trifluoromethoxyphenyl)ethoxy]phenyl group, 4-[3-(4-trifluoromethoxyphenyl)propoxy]phenyl group, 4-[4-(4-trifluoromethoxyphenyl)butoxy]phenyl group or the like.

25 A biphenylyl group (which may be substituted on the phenyl ring by at least one halogen-substituted or unsubstituted C1-6 alkyl group) includes a biphenylyl group (which may be substituted on the

phenyl ring by 1 to 3 halogen-substituted or unsubstituted C1-6 alkyl group), for example, a 2-biphenylyl group, 3-biphenylyl group, 4-biphenylyl group, 2'-methyl-2-biphenylyl group, 2'-methyl-3-biphenylyl group, 2'-methyl-4-biphenylyl group, 3'-methyl-2-biphenylyl group, 3'-methyl-3-biphenylyl group, 3'-methyl-4-biphenylyl group, 4'-methyl-2-biphenylyl group, 4'-methyl-3-biphenylyl group, 4'-methyl-4-biphenylyl group, 3',4'-dimethyl-2-biphenylyl group, 2',4',6'-trimethyl-3-biphenylyl group, 2'-trifluoromethyl-4',6'-dimethyl-3-biphenylyl group, 2'-trifluoromethyl-2-biphenylyl group, 2'-trifluoromethyl-3-biphenylyl group, 2'-trifluoromethyl-4-biphenylyl group, 3'-trifluoromethyl-2-biphenylyl group, 3'-trifluoromethyl-3-biphenylyl group, 3'-trifluoromethyl-4-biphenylyl group, 4'-trifluoromethyl-2-biphenylyl group, 4'-trifluoroethyl-3-biphenylyl group, 4'-trifluoromethyl-4-biphenylyl group or the like.

An amino group substituted by a C1-6 alkoxy carbonyl group includes an amino group which is substituted by a C1-6 alkoxy carbonyl group and may have a C1-6 alkyl group as another substituent on the amino group, for example, a methoxycarbonylamino group, ethoxycarbonylamino group, n-propoxycarbonylamino group, isopropoxycarbonylamino group, tert-butoxycarbonylamino group, n-pentoxycarbonylamino group, n-hexyloxycarbonylamino group, N-methyl-N-methoxycarbonylamino group, N-ethoxycarbonyl-N-

methylamino group, N-methyl-N-(n-propoxycarbonyl)amino
 group, N-methyl-N-(isopropoxycarbonyl)amino group, N-
 (tert-butoxycarbonyl)-N-methylamino group, N-methyl-N-
 (n-pentoxycarbonyl)amino group, N-(n-hexyloxycarbonyl)-
 5 N-methylamino group, N-ethyl-N-methoxycarbonylamino
 group, N-ethyl-N-ethoxycarbonylamino group, N-ethyl-N-
 (n-propoxycarbonyl)amino group, N-ethyl-N-isopropoxy-
 carbonylamino group, N-(tert-butoxycarbonyl)-N-
 ethylamino group, N-ethyl-N-(n-pentoxycarbonyl)amino
 10 group, N-ethyl-N-(n-hexyloxycarbonyl)amino group or the
 like.

A phenylamino group (which may be substituted
 on the phenyl ring by at least one group selected from
 a group consisting of a halogen atom and a halogen-
 15 substituted or unsubstituted C1-6 alkyl group) includes
 an amino group having 1 to 2 phenyl groups (which may
 be substituted on the phenyl ring by 1 to 5, preferably
 1 to 3 groups selected from a group consisting of a
 halogen atom and a halogen-substituted or unsubstituted
 20 C1-6 alkyl group), for example, a phenylamino group, 2-
 methylphenylamino group, 3-methylphenylamino group, 4-
 methylphenylamino group, 2-ethylphenylamino group, 3-
 ethylphenylamino group, 4-ethylphenylamino group, 4-
 propylphenylamino group, 4-tert-butylphenylamino group,
 25 4-butylphenylamino group, 2-trifluoromethylphenylamino
 group, 3-trifluoromethylphenylamino group, 4-
 trifluoromethylphenylamino group, 2-pentafluoroethyl-
 phenylamino group, 3-pentafluoroethylphenylamino group,

2,3-dimethylphenylamino group, 3,4,5-trimethyl-phenylamino group, 4-pentylphenylamino group, 4-hexylphenylamino group, N-phenyl-N-(2-fluorophenyl)amino group, 2-fluorophenylamino group, 3-fluorophenyl-
 5 amino group, 4-fluorophenylamino group, 2-chlorophenylamino group, 3-chlorophenylamino group, 4-chlorophenylamino group, 2-bromophenylamino group, 3-bromophenylamino group, 4-bromophenylamino group, 2-iodophenylamino group, 3-iodophenylamino group, 4-iodophenylamino
 10 group, 2,3-difluorophenylamino group, 3,4-difluorophenylamino group, 3,5-difluorophenylamino group, 2,4-difluorophenylamino group, 2,6-difluorophenylamino group, 2,3-dichlorophenylamino group, 3,4-dichlorophenylamino group, 3,5-dichlorophenylamino
 15 group, 2,4-dichlorophenylamino group, 2,6-dichlorophenylamino group, 3,4,5-trifluorophenylamino group, 2,3,4,5,6-pentafluorophenylamino group, 3,4,5-trichlorophenylamino group, 2,4,6-trifluorophenylamino group, 2,4,6-trichlorophenylamino group or the like.

20 A benzoyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one halogen atom as a substituent) includes a benzoyl C1-6 alkyl group (which may have 1 to 5 halogen atoms as a substituent on the phenyl ring), for example, a
 25 benzoylmethyl group, 2-fluorobenzoylmethyl group, 3-fluorobenzoylmethyl group, 4-fluorobenzoylmethyl group, 2-chlorobenzoylmethyl group, (2,3-dichlorobenzoyl)-methyl group, (2,4,6-trichlorobenzoyl)methyl group,

(2,3,4,5,6-pentafluorobenzoyl)methyl group, 3-chlorobenzoylmethyl group, 4-chlorobenzoylmethyl group, 2-bromobenzoylmethyl group, 3-bromobenzoylmethyl group, 4-bromobenzoylmethyl group, 2-benzoylethyl group, 2-(2-fluorobenzoyl)ethyl group, 2-(3-fluorobenzoyl)ethyl group, 2-(4-fluorobenzoyl)ethyl group, 2-(2-chlorobenzoyl)ethyl group, 2-(3-chlorobenzoyl)ethyl group, 2-(4-chlorobenzoyl)ethyl group, 3-(2-chlorobenzoyl)propyl group, 3-(3-chlorobenzoyl)propyl group, 3-(4-chlorobenzoyl)propyl group, 4-(2-chlorobenzoyl)butyl group, 4-(3-chlorobenzoyl)butyl group, 4-(4-chlorobenzoyl)butyl group, 5-(2-chlorobenzoyl)pentyl group, 5-(3-chlorobenzoyl)pentyl group, 5-(4-chlorobenzoyl)pentyl group, 6-(2-chlorobenzoyl)hexyl group, 6-(3-chlorobenzoyl)hexyl group, 6-(4-chlorobenzoyl)hexyl group or the like.

A phenylcarbamoyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one of halogen-substituted or unsubstituted C1-6 alkyl groups) includes a phenylcarbamoyl C1-6 alkyl group (which may be substituted on the phenyl ring by 1 to 3 groups of halogen-substituted or unsubstituted C1-6 alkyl groups), for example, a phenylcarbamoylmethyl group, 2-methylphenylcarbamoylmethyl group, 3-methylphenylcarbamoylmethyl group, 4-methylphenylcarbamoylmethyl group, 2,3-dimethylphenylcarbamoylmethyl group, 2,4-dimethylphenylcarbamoylmethyl group, 2,6-dimethylphenylcarbamoylmethyl group, 2,4,6-trimethylphenyl-

- carbamoylmethyl group, 2-trifluoromethylphenyl-
 carbamoylmethyl group, 3-trifluoromethylphenyl-
 carbamoylmethyl group, 4-trifluoromethylphenyl-
 carbamoylmethyl group, 2,3-ditrifluoromethylphenyl-
 5 carbamoylmethyl group, 2,4-ditrifluoromethylphenyl-
 carbamoylmethyl group, 2,6-ditrifluoromethylphenyl-
 carbamoylmethyl group, 2-pentafluoroethylphenyl-
 carbamoylmethyl group, 3-pentafluoroethylphenyl-
 carbamoylmethyl group, 4-pentafluoroethylphenyl-
 10 carbamoylmethyl group, 2-(n-propylphenyl)carbamoyl-
 methyl group, 3-(n-propylphenyl)carbamoylmethyl group,
 4-(n-propylphenyl)carbamoylmethyl group, 2-(phenyl-
 carbamoyl)ethyl group, 2-(3-trifluoromethylphenyl-
 carbamoyl)ethyl group, 2-(4-trifluoromethylphenyl-
 15 carbamoyl)ethyl group, 2-(2,3-ditrifluoromethylphenyl-
 carbamoyl)ethyl group, 2-(2,4-ditrifluoromethylphenyl-
 carbamoyl)ethyl group, 2-(2,6-ditrifluoromethylphenyl-
 carbamoyl)ethyl group, 2-(2-pentafluoroethylphenyl-
 carbamoyl)ethyl group, 2-(3-pentafluoroethylphenyl-
 20 carbamoyl)ethyl group, 2-(4-pentafluoroethylphenyl-
 carbamoyl)ethyl group, 3-(phenylcarbamoyl)propyl group,
 3-(3-trifluoromethylphenylcarbamoyl)propyl group, 3-(4-
 trifluoromethylphenylcarbamoyl)propyl group, 3-(2,3-
 ditrifluoromethylphenylcarbamoyl)propyl group, 3-(2,4-
 25 ditrifluoromethylphenylcarbamoyl)propyl group, 3-(2,6-
 ditrifluoromethylphenylcarbamoyl)propyl group, 3-(2-
 pentafluoroethylphenylcarbamoyl)propyl group, 3-(3-
 pentafluoroethylphenylcarbamoyl)propyl group, 3-(4-

pentafluoroethylphenylcarbamoyl)propyl group, 4-(4-trifluoromethylphenylcarbamoyl)butyl group, 5-(4-trifluoromethylphenylcarbamoyl)pentyl group, 6-(4-trifluoromethylphenylcarbamoyl)hexyl group or the like.

- 5 A thiazolyl C1-6 alkyl group (which may be substituted on the thiazole ring by at least one group selected from a group consisting of a halogen-substituted or unsubstituted phenyl group and a C1-6 alkyl group) includes a thiazolyl C1-6 alkyl group
- 10 (which may be substituted on the thiazole ring by 1 to 2 groups selected from a group consisting of a halogen-substituted or unsubstituted phenyl group and a C1-6 alkyl group), for example, 4-thiazolylmethyl group, 5-thiazolylmethyl group, 2-methyl-4-thiazolylmethyl
- 15 group, 2-methyl-5-thiazolylmethyl group, 2,5-dimethyl-4-thiazolylmethyl group, 2,4-dimethyl-5-thiazolylmethyl group, 2-methyl-5-phenyl-4-thiazolylmethyl group, 2-methyl-4-phenyl-5-thiazolylmethyl group, 2-phenyl-4-thiazolylmethyl group, 2-phenyl-5-thiazolylmethyl
- 20 group, 2-phenyl-5-methyl-4-thiazolylmethyl group, 2-phenyl-4-methyl-5-thiazolylmethyl group, 2-methyl-5-(2-fluorophenyl)-4-thiazolylmethyl group, 2-methyl-4-(2-fluorophenyl)-5-thiazolylmethyl group, 2-(2-chlorophenyl)-4-thiazolylmethyl group, 2-(2-bromophenyl)-5-
- 25 thiazolylmethyl group, 2-(2-fluorophenyl)-5-methyl-4-thiazolylmethyl group, 2-(2-fluorophenyl)-4-methyl-5-thiazolylmethyl group, 2-methyl-5-(3-iodophenyl)-4-thiazolylmethyl group, 2-methyl-4-(3-fluorophenyl)-5-

- thiazolylmethyl group, 2-(2,3-difluorophenyl)-4-
thiazolylmethyl group, 2-(3-fluorophenyl)-5-
thiazolylmethyl group, 2-(3-fluorophenyl)-5-methyl-4-
thiazolylmethyl group, 2-(3-fluorophenyl)-4-methyl-5-
5 thiazolylmethyl group, 2-methyl-5-(2,4,6-trichloro-
phenyl)-4-thiazolylmethyl group, 2-methyl-4-(2,3,4,5,6-
pentafluorophenyl)-5-thiazolylmethyl group, 2-(4-
fluorophenyl)-4-thiazolylmethyl group, 4-(2-fluoro-
phenyl)-5-thiazolylmethyl group, 2-(4-fluorophenyl)-5-
10 methyl-4-thiazolylmethyl group, 2-(4-fluorophenyl)-4-
methyl-5-thiazolylmethyl group, 2-methyl-5-(2-
chlorophenyl)-4-thiazolylmethyl group, 2-methyl-4-(2-
chlorophenyl)-5-thiazolylmethyl group, 2-(2-chloro-
phenyl)-4-thiazolylmethyl group, 2-(2-chlorophenyl)-5-
15 thiazolylmethyl group, 2-(2-chlorophenyl)-5-methyl-4-
thiazolylmethyl group, 2-(2-chlorophenyl)-4-methyl-5-
thiazolylmethyl group, 2-methyl-5-(3-chlorophenyl)-4-
thiazolylmethyl group, 2-methyl-4-(3-chlorophenyl)-5-
thiazolylmethyl group, 2-(3-chlorophenyl)-4-thiazolyl-
20 methyl group, 2-(2-fluorophenyl)-5-thiazolylmethyl
group, 2-(3-chlorophenyl)-5-methyl-4-thiazolylmethyl
group, 2-(3-chlorophenyl)-4-methyl-5-thiazolylmethyl
group, 2-methyl-5-(4-chlorophenyl)-4-thiazolylmethyl
group, 2-methyl-4-(4-chlorophenyl)-5-thiazolylmethyl
25 group, 2-(4-chlorophenyl)-4-thiazolylmethyl group, 2-
(4-chlorophenyl)-5-thiazolylmethyl group, 2-(4-
chlorophenyl)-5-methyl-4-thiazolylmethyl group, 2-(4-
chlorophenyl)-4-methyl-5-thiazolylmethyl group, 2-(2-

- thiazolyl)ethyl group, 2-(4-thiazolyl)ethyl group, 2-(5-thiazolyl)ethyl group, 2-(2-methyl-4-thiazolyl)ethyl group, 2-(2-methyl-5-thiazolyl)ethyl group, 2-(2,5-dimethyl-4-thiazolyl)ethyl group, 2-(2,4-dimethyl-5-
- 5 thiazolyl)ethyl group, 2-(2-methyl-5-phenyl-4-thiazolyl)ethyl group, 2-(2-methyl-4-phenyl-5-thiazolyl)ethyl group, 2-(2-phenyl-4-thiazolyl)ethyl group, 2-(2-phenyl-5-thiazolyl)ethyl group, 2-(2-phenyl-5-methyl-4-thiazolyl)ethyl group, 3-(2-
- 10 thiazolyl)propyl group, 2-(4-thiazolyl)propyl group, 3-(5-thiazolyl)propyl group, 3-(2-methyl-4-thiazolyl)-propyl group, 2-(2-methyl-5-thiazolyl)propyl group, 3-(2,5-dimethyl-4-thiazolyl)propyl group, 3-(2,4-dimethyl-5-thiazolyl)propyl group, 3-(2-methyl-5-
- 15 phenyl-4-thiazolyl)propyl group, 3-(2-methyl-4-phenyl-5-thiazolyl)propyl group, 2-(2-phenyl-4-thiazolyl)-propyl group, 3-(3-phenyl-5-thiazolyl)propyl group, 3-(2-phenyl-5-methyl-4-thiazolyl)propyl group, 4-(2-
- thiazolyl)butyl group, 4-(4-thiazolyl)butyl group, 3-
- 20 (5-thiazolyl)butyl group, 4-(2-methyl-4-thiazolyl)butyl group, 4-(2-methyl-5-thiazolyl)butyl group, 4-(2,5-dimethyl-4-thiazolyl)butyl group, 4-(2,4-dimethyl-5-thiazolyl)butyl group, 4-(2-methyl-5-phenyl-4-
- thiazolyl)butyl group, 4-(2-methyl-4-phenyl-5-
- 25 thiazolyl)butyl group, 4-(2-phenyl-4-thiazolyl)butyl group, 4-phenyl-5-thiazolyl)butyl group, 4-(2-phenyl-5-methyl-4-thiazolyl)butyl group, 5-(2-thiazolyl)pentyl group, 5-(4-thiazolyl)pentyl group, 5-(5-thiazolyl)-

pentyl group, 5-(2-methyl-4-thiazolyl)pentyl group, 5-
 (2-methyl-5-thiazolyl)pentyl group, 5-(2,5-dimethyl-4-
 thiazolyl)pentyl group, 5-(2,4-dimethyl-5-thiazolyl)-
 pentyl group, 5-(2-methyl-5-phenyl-4-thiazolyl)pentyl
 5 group, 5-(2-methyl-4-phenyl-5-thiazolyl)pentyl group,
 5-(2-phenyl-4-thiazolyl)pentyl group, 5-(4-phenyl-5-
 thiazolyl)pentyl group, 5-(2-phenyl-5-methyl-4-
 thiazolyl)pentyl group, 5-(2-thiazolyl)hexyl group, 5-
 (4-thiazolyl)hexyl group, 5-(5-thiazolyl)hexyl group,
 10 5-(2-methyl-4-thiazolyl)hexyl group, 5-(2-methyl-5-
 thiazolyl)hexyl group, 5-(2,5-dimethyl-4-thiazolyl)-
 hexyl group, 5-(2,4-dimethyl-5-thiazolyl)hexyl group,
 5-(2-methyl-5-phenyl-4-thiazolyl)hexyl group, 5-(2-
 methyl-4-phenyl-5-thiazolyl)hexyl group, 5-(2-phenyl-4-
 15 thiazolyl)hexyl group, 5-(4-phenyl-5-thiazolyl)hexyl
 group, 5-(2-phenyl-5-methyl-4-thiazolyl)hexyl group or
 the like.

An oxazolyl C1-6 alkyl group (which may be
 substituted on the oxazole ring by at least one group
 20 selected from a group consisting of a halogen-
 substituted or unsubstituted phenyl group and a C1-6
 alkyl group) includes an oxazolyl C1-6 alkyl group
 (which may be substituted on the oxazole ring by 1 to 2
 groups selected from a group consisting of a halogen-
 25 substituted or unsubstituted phenyl group and a C1-6
 alkyl group), for example, a 4-oxazolylmethyl group, 5-
 oxazolylmethyl group, 2-methyl-4-oxazolylmethyl group,
 2-methyl-5-oxazolylmethyl group, 2,5-dimethyl-4-

- oxazolylmethyl group, 2,5-diphenyl-4-oxazolylmethyl group, 2,4-dimethyl-5-oxazolylmethyl group, 2-methyl-5-phenyl-4-oxazolylmethyl group, 2-methyl-4-phenyl-5-oxazolylmethyl group, 2-phenyl-4-oxazolylmethyl group,
- 5 2-phenyl-5-oxazolylmethyl group, 2-phenyl-5-methyl-4-oxazolylmethyl group, 2-phenyl-4-methyl-5-oxazolylmethyl group, 2-methyl-5-(2,3,4,5,6-pentafluorophenyl)-4-oxazolylmethyl group, 2-methyl-4-(2-fluorophenyl)-5-oxazolylmethyl group, 2-(2,4-difluorophenyl)-4-
- 10 oxazolylmethyl group, 2-(2-fluorophenyl)-5-oxazolylmethyl group, 2-(2-fluorophenyl)-5-methyl-4-oxazolylmethyl group, 2-(2-fluorophenyl)-4-methyl-5-oxazolylmethyl group, 2-methyl-5-(3-fluorophenyl)-4-oxazolylmethyl group, 2-methyl-4-(3-fluorophenyl)-5-oxazolyl-
- 15 methyl group, 2-(3-fluorophenyl)-4-oxazolylmethyl group, 2-(3-fluorophenyl)-5-oxazolylmethyl group, 2-(3-fluorophenyl)-5-methyl-4-oxazolylmethyl group, 2-(3-fluorophenyl)-4-methyl-5-oxazolylmethyl group, 2-
- 20 methyl-5-(4-fluorophenyl)-4-oxazolylmethyl group, 2-methyl-4-(4-fluorophenyl)-5-oxazolylmethyl group, 2-(4-fluorophenyl)-4-oxazolylmethyl group, 2-(4-fluorophenyl)-5-methyl-4-oxazolylmethyl group, 2-(4-bromophenyl)-4-
- 25 methyl-5-oxazolylmethyl group, 2-methyl-5-(2-chlorophenyl)-4-oxazolylmethyl group, 2-methyl-4-(2-chlorophenyl)-5-oxazolylmethyl group, 2-(2-chlorophenyl)-4-oxazolylmethyl group, 2-(2-iodophenyl)-5-oxazolylmethyl group, 2-(2-chlorophenyl)-5-methyl-4-oxazolylmethyl

group, 2-(2-chlorophenyl)-4-methyl-5-oxazolylmethyl
 group, 2-methyl-5-(3-chlorophenyl)-4-oxazolylmethyl
 group, 2-methyl-4-(3-chlorophenyl)-5-oxazolylmethyl
 group, 2-(3-chlorophenyl)-4-oxazolylmethyl group, 2-
 5 (2,4,6-trichlorophenyl)-5-oxazolylmethyl group, 2-(3-
 chlorophenyl)-5-methyl-4-oxazolylmethyl group, 2-(3-
 chlorophenyl)-4-methyl-5-oxazolylmethyl group, 2-
 methyl-5-(4-chlorophenyl)-4-oxazolylmethyl group, 2-
 methyl-4-(4-chlorophenyl)-5-oxazolylmethyl group, 2-(4-
 10 chlorophenyl)-4-oxazolylmethyl group, 2-(4-chloro-
 phenyl)-5-oxazolylmethyl group, 2-(4-chlorophenyl)-5-
 methyl-4-oxazolylmethyl group, 2-(4-chlorophenyl)-4-
 methyl-5-oxazolylmethyl group, 2-(4-oxazolyl)ethyl
 group, 2-(5-oxazolyl)ethyl group, 2-(2-methyl-4-
 15 oxazolyl)ethyl group, 2-(2-methyl-5-oxazolyl)ethyl
 group, 2-(2-phenyl-5-methyl-4-oxazolyl)ethyl group, 2-
 [2-(4-chlorophenyl)-5-methyl-4-oxazolyl]ethyl group, 3-
 (4-oxazolyl)propyl group, 3-(5-oxazolyl)propyl group,
 3-(2-methyl-4-oxazolyl)propyl group, 3-(2-methyl-5-
 20 oxazolyl)propyl group, 3-(2-phenyl-5-methyl-4-
 oxazolyl)propyl group, 3-[2-(4-chlorophenyl)-5-methyl-
 4-oxazolyl]propyl group, 4-(4-oxazolyl)butyl group, 4-
 (5-oxazolyl)butyl group, 4-(2-methyl-4-oxazolyl)butyl
 group, 4-(2-methyl-5-oxazolyl)butyl group, 4-(2-phenyl-
 25 5-methyl-4-oxazolyl)butyl group, 4-[2-(4-chlorophenyl)-
 5-methyl-4-oxazolyl]butyl group, 5-(4-oxazolyl)pentyl
 group, 5-(5-oxazolyl)pentyl group, 5-(2-methyl-4-
 oxazolyl)pentyl group, 5-(2-methyl-5-oxazolyl)pentyl

group, 5-(2-phenyl-5-methyl-4-oxazolyl)pentyl group, 5-[2-(4-chlorophenyl)-5-methyl-4-oxazolyl]pentyl group, 6-(4-oxazolyl)hexyl group, 6-(5-oxazolyl)hexyl group, 6-(2-methyl-4-oxazolyl)hexyl group, 6-(2-methyl-5-oxazolyl)hexyl group, 6-(2-phenyl-5-methyl-4-oxazolyl)-hexyl group, 6-[2-(4-chlorophenyl)-6-methyl-4-oxazolyl]hexyl group or the like.

Examples of an indolyl C1-6 alkyl group include an indolin-1-ylmethyl group, indolin-2-ylmethyl group, indolin-3-ylmethyl group, indolin-4-ylmethyl group, indolin-5-ylmethyl group, indolin-6-ylmethyl group, indolin-7-ylmethyl group, 2-(indolin-3-yl)ethyl group, 3-(indolin-3-yl)propyl group, 4-(indolin-3-yl)butyl group, 5-(indolin-3-yl)pentyl group, 6-(indolin-3-yl)hexyl group, 2-(indolin-4-yl)ethyl group, 3-(indolin-4-yl)propyl group, 4-(indolin-4-yl)butyl group, 5-(indolin-4-yl)pentyl group, 6-(indolin-4-yl)hexyl group, 2-(indolin-5-yl)ethyl group, 3-(indolin-5-yl)propyl group, 4-(indolin-5-yl)butyl group, 5-(indolin-5-yl)pentyl group, 6-(indolin-5-yl)hexyl group, 2-(indolin-6-yl)ethyl group, 3-(indolin-6-yl)propyl group, 4-(indolin-6-yl)butyl group, 5-(indolin-6-yl)pentyl group, 6-(indolin-6-yl)hexyl group, 2-(indolin-7-yl)ethyl group, 3-(indolin-7-yl)propyl group, 4-(indolin-7-yl)butyl group, 5-(indolin-7-yl)pentyl group, 6-(indolin-7-yl)hexyl group or the like.

A furyl C1-6 alkyl group (which may be

substituted on the furan ring by at least one halogen-substituted or unsubstituted phenyl group) includes a furyl C1-6 alkyl group (which may be substituted on the furan ring by 1 to 3 halogen-substituted or unsubstituted phenyl groups), for example, a 2-furylmethyl group, 1-(3-furyl)ethyl group, 2-(2-furyl)ethyl group, 3-(3-furyl)propyl group, 4-(3-furyl)butyl group, 5-(2-furyl)pentyl group, 6-(2-furyl)hexyl group, 2-methyl-3-(3-furyl)propyl group, 1,1-dimethyl-2-(2-furyl)ethyl group, 3,4-diphenyl-2-furylmethyl group, 3,4,5-triphenyl-2-furylmethyl group, 5-phenyl-2-furylmethyl group, 5-(2-fluorophenyl)-2-furylmethyl group, 5-(3-fluorophenyl)-2-furylmethyl group, 5-(4-fluorophenyl)-2-furylmethyl group, 5-(2-chlorophenyl)-2-furylmethyl group, 5-(3-chlorophenyl)-2-furylmethyl group, 5-(4-chlorophenyl)-2-furylmethyl group, 5-(2-bromophenyl)-2-furylmethyl group, 5-(3-bromophenyl)-2-furylmethyl group, 5-(4-bromophenyl)-2-furylmethyl group, 4-phenyl-2-furylmethyl group, 4-(2,3,4,5,6-pentafluorophenyl)-2-furylmethyl group, 4-(3,4-difluorophenyl)-2-furylmethyl group, 4-(4-iodophenyl)-2-furylmethyl group, 4-(2,3-dichlorophenyl)-2-furylmethyl group, 4-(3-chlorophenyl)-2-furylmethyl group, 4-(2,4,6-trichlorophenyl)-2-furylmethyl group, 4-(2-bromophenyl)-2-furylmethyl group, 4-(3-bromophenyl)-2-furylmethyl group, 4-(4-bromophenyl)-2-furylmethyl group, 5-phenyl-2-furylmethyl group, 2-(2-furyl)ethyl group, 3-(2-furyl)propyl group, 4-(2-furyl)butyl group, 5-(2-

furyl)pentyl group, 6-(2-furyl)hexyl group, 2-[5-(4-chlorophenyl)-2-furyl]ethyl group, 3-[5-(4-chlorophenyl)-2-furyl]propyl group, 4-[5-(4-chlorophenyl)-2-furyl]butyl group, 5-(2-furyl)pentyl group, 6-[5-(4-chlorophenyl)-2-furyl]hexyl group or the like.

An imidazolyl C1-6 alkyl group (which may be substituted on the imidazole ring by a phenyl group) includes an imidazolyl C1-6 alkyl group (which may be substituted on the imidazole ring by 1 to 2 phenyl groups), for example, a 4-imidazolylmethyl group, 2-(4-imidazolyl)ethyl group, 3-(2-imidazolyl)propyl group, 4-(1-imidazolyl)butyl group, 5-(5-imidazolyl)pentyl group, 6-(4-imidazolyl)hexyl group, 2,5-diphenyl-1-imidazolylmethyl group, 2-phenyl-4-imidazolylmethyl group, 2-(2-phenyl-4-imidazolyl)ethyl group, 3-(2-phenyl-4-imidazolyl)propyl group, 4-(2-phenyl-5-imidazolyl)butyl group, 5-(2-phenyl-4-imidazolyl)pentyl group, 6-(2-phenyl-4-imidazolyl)hexyl group or the like.

Examples of a quinolyl C1-6 alkyl group include a 4-quinolylmethyl group, 2-(4-quinolyl)ethyl group, 3-(4-quinolyl)propyl group, 4-(4-quinolyl)butyl group, 5-(4-quinolyl)pentyl group, 6-(4-quinolyl)hexyl group, 5-quinolylmethyl group, 2-(5-quinolyl)ethyl group, 3-(5-quinolyl)propyl group, 4-(5-quinolyl)butyl group, 5-(5-quinolyl)pentyl group, 6-(5-quinolyl)hexyl group, 6-quinolylmethyl group, 2-(6-quinolyl)ethyl group, 3-(6-quinolyl)propyl group, 4-(6-quinolyl)butyl

group, 5-(6-quinolyl)pentyl group, 6-(6-quinolyl)hexyl group, 7-quinolylmethyl group, 2-(7-quinolyl)ethyl group, 3-(7-quinolyl)propyl group, 4-(7-quinolyl)butyl group, 5-(7-quinolyl)pentyl group, 6-(7-quinolyl)hexyl
5 group, 8-quinolylmethyl group, 2-(8-quinolyl)ethyl group, 3-(8-quinolyl)propyl group, 4-(8-quinolyl)butyl group, 5-(8-quinolyl)pentyl group, 6-(8-quinolyl)hexyl group or the like.

Examples of a tetrazolyl group (which may be
10 substituted on the tetrazole ring by a phenyl group) include a 5-(1H)-tetrazolyl group and a 1-phenyl-5-(1H)-tetrazolyl group.

Examples of a pyrimidyl group which may be substituted by a phenyl group include a 2-pyrimidyl
15 group, 3-pyrimidyl group, 4-pyrimidyl group, 4-phenyl-2-pyrimidyl group, 2-phenyl-4-pyrimidyl group, 4,6-diphenyl-2-pyrimidyl group or the like.

Examples of a benzoxazolyl group include a 2-benzoxazolyl group, 4-benzoxazolyl group, 5-
20 benzoxazolyl group, 6-benzoxazolyl group, 7-benzoxazolyl group or the like.

Examples of a benzothiazolyl group include a benzothiazol-2-yl group, benzothiazol-4-yl group, benzothiazol-5-yl group, benzothiazol-6-yl group,
25 benzothiazol-7-yl group or the like.

A phenoxy C2-6 alkanoyl group which may be substituted on the phenyl ring by a halogen atom includes a phenoxy C2-6 alkanoyl group which may be

substituted on the phenyl ring by 1 to 5 halogen atoms, for example, a phenoxyacetyl group, 3-phenoxypropionyl group, 4-phenoxybutyryl group, 5-phenoxypentanoyl group, 6-phenoxyhexanoyl group, 4-(4-chlorophenoxy)-

5 butyryl group, 5-(4-chlorophenoxy)pentanoyl group, 6-(4-chlorophenoxy)hexanoyl group, 2-fluorophenoxyacetyl group, 3-fluorophenoxyacetyl group, 4-fluorophenoxyacetyl group, 2-chlorophenoxyacetyl group, 3-chlorophenoxyacetyl group, 4-chlorophenoxyacetyl group, 4-

10 bromophenoxyacetyl group, 2,3-difluorophenoxyacetyl group, 2-fluoro-4-chlorophenoxyacetyl group, 3,5-difluorophenoxyacetyl group, 2,3,4,5,6-pentafluorophenoxyacetyl group, 2,4,6-trichlorophenoxyacetyl group, 3-(2-fluorophenoxy)propionyl group, 3-(3-

15 fluorophenoxy)propionyl group, 3-(4-fluorophenoxy)propionyl group, 3-(2-chlorophenoxy)propionyl group, 3-(3-chlorophenoxy)propionyl group, 3-(4-chlorophenoxy)propionyl group, 3-(4-bromophenoxy)propionyl group, 3-(2,3-difluorophenoxy)propionyl group, 3-(2-fluoro-4-

20 chlorophenoxy)propionyl group, 3-(3,5-difluorophenoxy)propionyl group or the like.

A phenylthio C2-6 alkanoyl group which may be substituted by a halogen atom is a group containing 1 to 5 halogen-substituted or unsubstituted phenylthio

25 groups and a C1-6 alkanoyl group, examples of which include a phenylthioacetyl group, 3-phenylthiopropionyl group, 4-phenylthiobutyryl group, 5-phenylthiopentanoyl group, 6-phenylthiohexanoyl group, 4-(4-chlorophenyl)-

thiobutyryl group, 5-(4-chlorophenyl)thiopentanoyl group, 6-(4-chlorophenyl)thiohexanoyl group, 2-fluorophenylthioacetyl group, 3-fluorophenylthioacetyl group, 4-fluorophenylthioacetyl group, 2-chlorophenylthioacetyl group, 2,4-dichlorophenylthioacetyl group, 2,4,6-trichlorophenylthioacetyl group, 2,3,4,5,6-pentafluorophenylthioacetyl group, 3-chlorophenylthioacetyl group, 4-chlorophenylthioacetyl group, 4-bromophenylthioacetyl group, 2,3-difluorophenylthioacetyl group, 2-fluoro-4-chlorophenylthioacetyl group, 3,5-difluorophenylthioacetyl group, 3-(2-fluorophenyl)thiopropionyl group, 3-(3-fluorophenyl)thiopropionyl group, 3-(4-fluorophenyl)thiopropionyl group, 3-(2-chlorophenyl)thiopropionyl group, 3-(3-chlorophenyl)thiopropionyl group, 3-(4-chlorophenyl)thiopropionyl group, 3-(4-bromophenyl)thiopropionyl group, 3-(2,3-difluorophenyl)thiopropionyl group, 3-(2-fluoro-4-chlorophenyl)thiopropionyl group, 3-(3,5-difluorophenyl)thiopropionyl group or the like.

20 A benzoyl group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group, halogen-substituted or unsubstituted C1-6 alkoxy group and amino group
25 which may have a C1-6 alkyl group as a substituent) include a benzoyl group (which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a halogen atom,

halogen-substituted or unsubstituted C1-6 alkyl group, halogen-substituted or unsubstituted C1-6 alkoxy group and amino group which may have 1 to 2 C1-6 alkyl groups as a substituent), for example, a benzoyl group, 2-
5 fluorobenzoyl group, 3-fluorobenzoyl group, 4-fluorobenzoyl group, 2,3-difluorobenzoyl group, 3,4-difluorobenzoyl group, 2-chlorobenzoyl group, 3-chlorobenzoyl group, 4-chlorobenzoyl group, 2,3-dichlorobenzoyl group, 3,4-dichlorobenzoyl group,
10 2,4,6-trichlorobenzoyl group, 4-iodobenzoyl group, 2,3,4,5,6-pentafluorobenzoyl group, 2-bromobenzoyl group, 3-bromobenzoyl group, 4-bromobenzoyl group, 2,3-dibromobenzoyl group, 3,4-dibromobenzoyl group, 2-methylbenzoyl group, 3-methylbenzoyl group, 4-
15 methylbenzoyl group, 2,3-dimethylbenzoyl group, 3,4-dimethylbenzoyl group, 3,4,5-trimethylbenzoyl group, 2-trifluoromethylbenzoyl group, 3-trifluoromethylbenzoyl group, 4-trifluoromethylbenzoyl group, 2,3-ditrifluoromethylbenzoyl group, 3,4-ditrifluoromethylbenzoyl
20 group, 2-methoxybenzoyl group, 3-methoxybenzoyl group, 4-methoxybenzoyl group, 3,4-dimethoxybenzoyl group, 2,4,6-trimethoxybenzoyl group, 2-trifluoromethoxybenzoyl group, 3-trifluoromethoxybenzoyl group, 4-trifluoromethoxybenzoyl group, 2-aminobenzoyl group, 3-
25 aminobenzoyl group, 4-aminobenzoyl group, 2-methylaminobenzoyl group, 3-methylaminobenzoyl group, 4-methylaminobenzoyl group, 2-ethylaminobenzoyl group, 3-ethylaminobenzoyl group, 4-ethylaminobenzoyl group,

2-propylaminobenzoyl group, 3-propylaminobenzoyl group,
 4-propylaminobenzoyl group, 4-butylaminobenzoyl group,
 4-pentylaminobenzoyl group, 4-hexylaminobenzoyl group,
 2-dimethylaminobenzoyl group, 3-dimethylaminobenzoyl
 5 group, 4-dimethylaminobenzoyl group, 2-diethylamino-
 benzoyl group, 3-diethylaminobenzoyl group, 4-
 diethylaminobenzoyl group, 2-dipropylaminobenzoyl
 group, 3-dipropylaminobenzoyl group, 4-dipropylamino-
 benzoyl group, 4-dibutylaminobenzoyl group, 4-
 10 dipentylaminobenzoyl group, 4-dihexylaminobenzoyl group
 or the like.

Examples of a biphenylylcaronyl group include
 a 2-biphenylylcaronyl group, 3-biphenylylcaronyl group,
 4-biphenylylcaronyl group or the like.

15 Examples of a pyridylcarbonyl group include a
 2-pyridylcarbonyl group, 3-pyridylcarbonyl group, 4-
 pyridylcarbonyl group or the like.

Examples of a phenyl C2-6 alkenyloxycarbonyl
 group which may be substituted on the phenyl ring by a
 20 halogen atom include a phenyl C2-6 alkenyloxycarbonyl
 group which may be substituted on the phenyl ring by 1
 to 5 halogen atoms, for example, a 3-phenyl-2-
 propenylcarbonyl group (trivial name: cinnamoyl group),
 4-phenyl-2-butenylcarbonyl group, 4-phenyl-3-butenyl-
 25 carbonyl group, 5-phenyl-2-pentenylcarbonyl group, 5-
 phenyl-4-pentenylcarbonyl group, 5-phenyl-3-pentenyl-
 carbonyl group, 6-phenyl-5-hexenylcarbonyl group, 6-
 phenyl-4-pentenylcarbonyl group, 6-phenyl-3-hexenyl-

carbonyl group, 4-phenyl-1,3-butadienylcarbonyl group, 6-phenyl-1,3,5-hexatrienylcarbonyl group, 3-(2-fluorophenyl)-2-propenylcarbonyl group (which also referred to as 2-fluorocinnamoyl group of a trivial name), 3-(3-fluorophenyl)-2-propenylcarbonyl group, 3-(4-fluorophenyl)-2-propenylcarbonyl group, 2,4-difluorocinnamoyl group, 3-(2,5-difluorophenyl)-2-propenylcarbonyl group, 3-(3,5-difluorophenyl)-2-propenylcarbonyl group, 3-(3,4-difluorophenyl)-2-propenylcarbonyl group, 3-(2,3,4,5,6-pentafluorophenyl)-2-propenylcarbonyl group, 3-(2-chlorophenyl)-2-propenylcarbonyl group, 3-(3-chlorophenyl)-2-propenylcarbonyl group, 3-(4-chlorophenyl)-2-propenylcarbonyl group, 3-(2,4-dichlorophenyl)-2-propenylcarbonyl group, 3-(2,5-dichlorophenyl)-2-propenylcarbonyl group, 3-(3,5-dichlorophenyl)-2-propenylcarbonyl group, 3-(3,4-dichlorophenyl)-2-propenylcarbonyl group, 3-(2,4,6-trichlorophenyl)-2-propenylcarbonyl group, 3-(2-bromophenyl)-2-propenylcarbonyl group, 3-(3-bromophenyl)-2-propenylcarbonyl group, 3-(4-bromophenyl)-2-propenylcarbonyl group, 3-(2,4-dibromophenyl)-2-propenylcarbonyl group, 3-(2,5-dibromophenyl)-2-propenylcarbonyl group, 3-(3,5-dibromophenyl)-2-propenylcarbonyl group, 3-(3,4-dibromophenyl)-2-propenylcarbonyl group or the like.

A phenyl C1-6 alkylsulfonyl group which may be substituted on the phenyl ring by halogen atoms is a group containing a phenyl C1-6 alkyl group which may be

substituted on the phenyl ring by 1 to 5 halogen atoms, as defined above, and a sulfonyl group, examples of which include a benzylsulfonyl group, phenethylsulfonyl group, 3-phenylpropylsulfonyl group, 4-phenylbutyl-

5 sulfonyl group, 5-phenylpentylsulfonyl group, 6-phenylhexylsulfonyl group, 2-fluorobenzylsulfonyl group, 3-fluorobenzylsulfonyl group, 4-fluorobenzylsulfonyl group, 2-chlorobenzylsulfonyl group, 3-chlorobenzylsulfonyl group, 4-chlorobenzylsulfonyl

10 group, 2,3-dichlorobenzylsulfonyl group, 3,4-dichlorobenzylsulfonyl group, 3,5-dichlorobenzylsulfonyl group, 2,4-dichlorobenzylsulfonyl group, 3,4,5-trifluorobenzylsulfonyl group, 2,3,4,5,6-pentafluorobenzylsulfonyl group, 2-(2-fluoro)phenethyl-

15 sulfonyl group, 2-(3-fluoro)phenethylsulfonyl group, 2-(4-fluoro)phenethylsulfonyl group, 2-(2-chloro)-phenethylsulfonyl group, 2-(3-chloro)phenethylsulfonyl group, 2-(4-chloro)phenethylsulfonyl group, 2-(2,3-dichloro)phenethylsulfonyl group, 2-(3,4-dichloro)-

20 phenethylsulfonyl group, 2-(3,5-dichloro)phenethylsulfonyl group, 2-(2,4-dichloro)phenethylsulfonyl group, 2-(3,4,5-trifluoro)phenethylsulfonyl group, 3-(2-fluorophenyl)propylsulfonyl group, 3-(3-fluorophenyl)propylsulfonyl group, 3-(4-fluorophenyl)-

25 propylsulfonyl group, 3-(2-chlorophenyl)propylsulfonyl group, 3-(3-chlorophenyl)propylsulfonyl group, 3-(4-chlorophenyl) propylsulfonyl group, 2-(2,3-dichlorophenyl)propylsulfonyl group, 3-(3,4-dichlorophenyl)-

propylsulfonyl group, 3-(3,5-dichlorophenyl)propylsulfonyl group, 3-(2,4-dichlorophenyl)propylsulfonyl group, 3-(3,4,5-trifluorophenyl)propylsulfonyl group or the like.

- 5 A halogen-substituted or unsubstituted C1-8 alkyl group include a C1-8 alkyl group unsubstituted or substituted by 1-7 halogen atoms, for example, a methyl group, ethyl group, n-propyl group, isopropyl group, n-butyl group, isobutyl group, tert-butyl group, sec-
- 10 group, n-pentyl group, neopentyl group, 3-methylpentyl group, n-hexyl group, isohexyl group, 1,3,5-trimethylhexyl group, n-heptyl group, 6-methylheptyl group, 1-methylheptyl group, n-octyl group, fluoromethyl group, difluoromethyl group, trifluoromethyl group,
- 15 chloromethyl group, dichloromethyl group, trichloromethyl group, bromomethyl group, dibromomethyl group, dichlorofluoromethyl group, 2,2,2-trifluoroethyl group, pentafluoroethyl group, 2-chloroethyl group, 3,3,3-trifluoropropyl group, heptafluoropropyl group,
- 20 heptafluoroisopropyl group, 3-chloropropyl group, 2-chloropropyl group, 3-bromopropyl group, 4,4,4-trifluorobutyl group, 4,4,4,3,3-pentafluorobutyl group, 4-chlorobutyl group, 4-bromobutyl group, 2-chlorobutyl group, 5,5,5-trifluoropentyl group, 5-chloropentyl
- 25 group, 6,6,6-trifluorohexyl group, 6-chlorohexyl group, 7-chloroheptyl group, 8-chlorooctyl group or the like.

An amino-C1-6 alkyl group which may have a C1-6 alkyl group include an amino-C1-6 alkyl group

which may have 1 to 2 C1-6 alkyl groups, for example, an aminomethyl group, 2-aminoethyl group, 1-aminoethyl group, 3-aminopropyl group, 4-aminobutyl group, 5-aminopentyl group, 6-aminohexyl group, 2-methyl-3-aminopropyl group, 1,1-dimethyl-2-aminoethyl group, ethylaminomethyl group, 1-(propylamino)ethyl group, 2-(methylamino)ethyl group, 3-(isopropylamino)propyl group, 4-(n-butylamino)butyl group, 5-(n-pentylamino)-pentyl group, 6-(n-hexylamino)hexyl group, dimethylaminomethyl group, (N-methyl-N-propylamino)-methyl group, 2-(N-methyl-N-hexylamino)ethyl group or the like.

Examples of a phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by 1 to 5 groups selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group, halogen-substituted or unsubstituted C1-6 alkoxy group, halogen-substituted or unsubstituted C1-6 alkylthio group, phenyl C1-6 alkoxy group, hydroxy group, C1-6 alkylsulfinyl group, C1-6 alkyl sulfonyl group, C1-6 alkyl sulfonyloxy group, cyano group, C1-6 alkanoyl group, benzoyl group, phenyl C1-6 alkyl group (which may have a C1-6 alkoxy group on the alkyl moiety), amino group, nitro group, carbamoyl group, C1-6 alkanoylamino group, C1-6 alkoxycarbonyl group, C1-6 alkylaminocarbonyl group, C1-6 alkoxycarbonylamino group, tri C1-6 alkylsiloxo group, pyrrolyl group, tetrahydropyranyloxy group and imidazolyl group)

include a benzyl group, 1-phenethyl group, 2-phenethyl group, 3-phenylpropyl group, 2-phenylpropyl group, 4-phenylbutyl group, 5-phenylpentyl group, 4-phenylpentyl group, 6-phenylhexyl group, 2-fluorobenzyl group, 3-
5 fluorobenzyl group, 4-fluorobenzyl group, 2-chlorobenzyl group, 3-chlorobenzyl group, 4-chlorobenzyl group, 2-bromobenzyl group, 3-bromobenzyl group, 4-bromobenzyl group, 2-iodobenzyl group, 3-iodobenzyl group, 4-iodobenzyl group, 2,3-difluorobenzyl group,
10 3,4-difluorobenzyl group, 3,5-difluorobenzyl group, 2,3,4,5,6-pentafluorobenzyl group, 2,4-difluorobenzyl group, 2,6-difluorobenzyl group, 2,4,6-trifluorobenzyl group, 3,4,5-trifluorobenzyl group, 2,3-dichlorobenzyl group, 3,4-dichlorobenzyl group, 3,5-dichlorobenzyl
15 group, 2,4-dichlorobenzyl group, 2,6-dichlorobenzyl group, 2,4,6-trichlorobenzyl group, 3,4,5-trichlorobenzyl group, perfluorobenzyl group, 2-difluoromethylbenzyl group, 3-difluoromethylbenzyl group, 4-difluoromethylbenzyl group, 4-chloro-3-difluoromethylbenzyl group, 3-chloro-4-difluoromethylbenzyl group, 3-bromo-4-difluoromethylbenzyl group, 3,5-difluoro-4-difluoromethylbenzyl group, 2-methylbenzyl group, 3-methylbenzyl group, 4-methylbenzyl group, 2,3-dimethylbenzyl group, 2,4,6-trimethylbenzyl group, 3,5-ditrifluoromethylbenzyl group, 2-trifluoromethylbenzyl
25 group, 3-trifluoromethylbenzyl group, 4-trifluoromethylbenzyl group, 4-fluoro-3-trifluoromethylbenzyl group, 3-fluoro-4-trifluoromethylbenzyl group, 2-

pentafluoroethylbenzyl group, 4-chloro-3-pentafluoro-
 ethylbenzyl group, 3-chloro-4-pentafluoroethylbenzyl
 group, 2-pentafluoroethylbenzyl group, 3-pentafluoro-
 ethylbenzyl group, 4-pentafluoroethylbenzyl group, 2-
 5 methoxybenzyl group, 3-methoxybenzyl group, 4-
 methoxybenzyl group, 2,3-dimethoxybenzyl group, 2,4,6-
 trimethoxybenzyl group, 3,5-ditrifluoromethoxybenzyl
 group, 2-trifluoromethoxybenzyl group, 3-trifluoro-
 methoxybenzyl group, 4-trifluoromethoxybenzyl group, 4-
 10 fluoro-3-trifluoromethoxybenzyl group, 3-fluoro-4-
 trifluoromethoxybenzyl group, 2-pentafluoroethoxybenzyl
 group, 3-pentafluoroethoxybenzyl group, 4-pentafluoro-
 ethoxybenzyl group, 3-chloro-4-trifluoromethoxybenzyl
 group, 3-chloro-4-pentafluoroethoxybenzyl group, 2-(2-
 15 trifluoromethylphenyl)ethyl group, 2-(3-trifluoro-
 methylphenyl)ethyl group, 2-(4-trifluoromethyl-
 phenyl)ethyl group, 2-trifluoromethoxyphenyl)ethyl
 group, 3-trifluoromethoxyphenyl)ethyl group, 2-(4-
 trifluoromethoxyphenyl)ethyl group, 2-(2-pentafluoro-
 20 ethoxyphenyl)ethyl group, 2-(3-pentafluoroethoxy-
 phenyl)ethyl group, 2-(4-pentafluoroethoxyphenyl)ethyl
 group, 3-(2-trifluoromethylphenyl)propyl group, 3-(3-
 trifluoromethylphenyl)propyl group, 3-(4-trifluoro-
 methylphenyl)propyl group, 3-(2-trifluoromethoxy-
 25 phenyl)propyl group, 3-(3-trifluoromethoxyphenyl)propyl
 group, 3-(4-trifluoromethoxyphenyl)propyl group, 3-(3-
 pentafluoroethoxyphenyl)propyl group, 3-(4-pentafluoro-
 ethoxyphenyl)propyl group, 4-(3-pentafluoroethoxy-

phenyl)butyl group, 5-(4-trifluoromethylphenyl)pentyl group, 4-(4-trifluoromethylphenyl)pentyl group, 4-(4-trifluoromethoxyphenyl)pentyl group, 6-(3-trifluoromethylphenyl)hexyl group, 6-(4-trifluoromethylphenyl)-
5 hexyl group, 6-(4-trifluoromethoxyphenyl)hexyl group, 2-methylthiobenzyl group, 3-methylthiobenzyl group, 4-methylthiobenzyl group, 2,3-dimethylthiobenzyl group, 2,4,6-trimethylthiobenzyl group, 2-(2-methylthiophenyl)ethyl group, 2-(3-methylthiophenyl)ethyl group,
10 2-(4-methylthiophenyl)ethyl group, 3-(4-methylthiophenyl)propyl group, 4-(4-methylthiophenyl)butyl group, 5-(4-methylthiophenyl)pentyl group, 6-(4-methylthiophenyl)hexyl group, 2-trifluoromethylthiobenzyl group, 3-trifluoromethylthiobenzyl group, 4-trifluoromethyl-
15 thiobenzyl group, 2-(2-trifluoromethylthiophenyl)ethyl group, 2-(3-trifluoromethylthiophenyl)ethyl group, 2-(4-trifluoromethylthiophenyl)ethyl group, 3-(4-trifluoromethylthiophenyl)propyl group, 4-(4-trifluoromethylthiophenyl)butyl group, 5-(4-trifluoromethylthiophenyl)pentyl group, 6-(4-trifluoromethylthiophenyl)-
20 hexyl group, 2-benzyloxybenzyl group, 3-benzyloxybenzyl group, 4-benzyloxybenzyl group, 2-(2-benzyloxyphenyl)ethyl group, 2-(3-benzyloxyphenyl)ethyl group, 2-(4-benzyloxyphenyl)ethyl group, 3-(4-benzyloxyphenyl)-
25 propyl group, 4-(4-benzyloxyphenyl)butyl group, 5-(4-benzyloxyphenyl)pentyl group, 6-(4-benzyloxyphenyl)hexyl group, 2-(2-phenylethoxy)benzyl group, 3-(2-phenylethoxy)benzyl group, 4-(2-phenylethoxy)benzyl

group, 2-[2-(2-phenylethoxyphenyl)]ethyl group, 2-[3-(2-phenylethoxyphenyl)]ethyl group, 2-[4-(2-phenylethoxyphenyl)]ethyl group, 3-[4-(2-phenylethoxyphenyl)]propyl group, 4-[4-(2-phenylethoxyphenyl)]butyl group, 5-[4-(2-phenylethoxyphenyl)]pentyl group, 6-[4-(2-phenylethoxyphenyl)]hexyl group, 2-(3-phenylpropoxy)benzyl group, 3-(3-phenylpropoxy)benzyl group, 4-(3-phenylpropoxy)benzyl group, 2-(4-phenylbutoxy)benzyl group, 3-(4-phenylbutoxy)benzyl group, 4-(4-phenylbutoxy)benzyl group, 2-methoxycarbonylbenzyl group, 3-methoxycarbonylbenzyl group, 4-methoxycarbonylbenzyl group, 2-(2-methoxycarbonylphenyl)ethyl group, 2-(3-methoxycarbonylphenyl)ethyl group, 2-(4-methoxycarbonylphenyl)ethyl group, 3-(4-methoxycarbonylphenyl)propyl group, 4-(4-methoxycarbonylphenyl)butyl group, 5-(4-methoxycarbonylphenyl)pentyl group, 6-(4-methoxycarbonylphenyl)hexyl group, 2-hydroxybenzyl group, 3-hydroxybenzyl group, 4-hydroxybenzyl group, 2,3-dihydroxybenzyl group, 2,4,6-trihydroxybenzyl group, 2-(2-hydroxyphenyl)ethyl group, 2-(3-hydroxyphenyl)ethyl group, 2-(4-hydroxyphenyl)ethyl group, 3-(4-hydroxyphenyl)propyl group, 4-(4-hydroxyphenyl)butyl group, 5-(4-hydroxyphenyl)pentyl group, 6-(4-hydroxyphenyl)hexyl group, 2-methylsulfinylbenzyl group, 3-methylsulfinylbenzyl group, 4-methylsulfinylbenzyl group, 2,3-dimethylsulfinylbenzyl group, 2,4,6-trimethylsulfinylbenzyl group, 2-(2-methylsulfinylphenyl)ethyl group, 2-(3-

methylsulfinylphenyl)ethyl group, 2-(4-methylsulfinyl-
 phenyl)ethyl group, 3-(4-methylsulfinylphenyl)propyl
 group, 4-(4-methylsulfinylphenyl)butyl group, 5-(4-
 methylsulfinylphenyl)pentyl group, 6-(4-methylsulfinyl-
 5 phenyl)hexyl group, 2-methanesulfonylbenzyl group, 3-
 methanesulfonylbenzyl group, 4-methanesulfonylbenzyl
 group, 2,3-dimethanesulfonylbenzyl group, 2,4,6-
 trimethanesulfonylbenzyl group, 2-(2-methanesulfonyl-
 phenyl)ethyl group, 2-(3-methanesulfonylphenyl)ethyl
 10 group, 2-(4-methanesulfonylphenyl)ethyl group, 3-(4-
 methanesulfonylphenyl)propyl group, 4-(4-methane-
 sulfonylphenyl)butyl group, 5-(4-methanesulfonyl-
 phenyl)pentyl group, 6-(4-methanesulfonylphenyl)hexyl
 group, 2-methanesulfonyloxybenzyl group, 3-methane-
 15 sulfonyloxybenzyl group, 4-methanesulfonyloxybenzyl
 group, 2,3-dimethanesulfonyloxybenzyl group, 2,4,6-
 trimethanesulfonyloxybenzyl group, 2-(2-methane-
 sulfonyloxyphenyl)ethyl group, 2-(3-methanesulfonyloxy-
 phenyl)ethyl group, 2-(4-methanesulfonyloxyphenyl)ethyl
 20 group, 3-(4-methanesulfonyloxyphenyl)propyl group, 4-
 (4-methanesulfonyloxyphenyl)butyl group, 5-(4-methane-
 sulfonyloxyphenyl)pentyl group, 6-(4-methane-
 sulfonyloxyphenyl)hexyl group, 2-cyanobenzyl group, 3-
 cyanobenzyl group, 4-cyanobenzyl group, 2,3-dicyano-
 25 benzyl group, 2,4,6-tricyanobenzyl group, 2-(2-
 cyanophenyl)ethyl group, 2-(3-cyanophenyl)ethyl group,
 2-(4-cyanophenyl)ethyl group, 3-(4-cyanophenyl)propyl
 group, 4-(4-cyanophenyl)butyl group, 5-(4-cyanophenyl)-

pentyl group, 6-(4-cyanophenyl)hexyl group, 2-acetyl-
 benzyl group, 3-acetylbenzyl group, 4-acetylbenzyl
 group, 2-(2-acetylphenyl)ethyl group, 2-(3-acetyl-
 phenyl)ethyl group, 2-(4-acetylphenyl)ethyl group, 3-
 5 (4-acetylphenyl)propyl group, 4-(4-acetylphenyl)butyl
 group, 5-(4-acetylphenyl)pentyl group, 6-(4-acetyl-
 phenyl)hexyl group, 2-benzoylbenzyl group, 3-
 benzoylbenzyl group, 4-benzoylbenzyl group, 2-(2-
 benzoylphenyl)ethyl group, 2-(3-benzoylphenyl)ethyl
 10 group, 2-(4-benzoylphenyl)ethyl group, 3-(4-
 benzoylphenyl)propyl group, 4-(4-benzoylphenyl)butyl
 group, 5-(4-benzoylphenyl)pentyl group, 6-(4-
 benzoylphenyl)hexyl group, 2- α,α -dimethoxybenzylbenzyl
 group, 3- α,α -dimethoxybenzylbenzyl group, 4- α,α -
 15 dimethoxybenzylbenzyl group, 2-(2- α,α -dimethoxybenzyl-
 phenyl)ethyl group, 2-(3-(α,α -dimethoxybenzyl)phenyl)-
 ethyl group, 2-(4-(α,α -dimethoxybenzyl)phenyl)ethyl
 group, 3-(4-(α,α -dimethoxybenzyl)phenyl)propyl group,
 4-(4-(α,α -dimethoxybenzyl)phenyl)butyl group, 5-(4-
 20 (α,α -dimethoxybenzyl)phenyl)pentyl group, 6-(4-(α,α -
 dimethoxybenzyl)phenyl)hexyl group, 2-aminobenzyl
 group, 3-aminobenzyl group, 4-aminobenzyl group, 2,3-
 diaminobenzyl group, 2,4,6-triaminobenzyl group, 2-(2-
 aminophenyl)ethyl group, 2-(3-aminophenyl)ethyl group,
 25 2-(4-aminophenyl)ethyl group, 3-(4-aminophenyl)propyl
 group, 4-(4-aminophenyl)butyl group, 5-(4-aminophenyl)-
 pentyl group, 6-(4-aminophenyl)hexyl group, 2-nitro-
 benzyl group, 3-nitrobenzyl group, 4-nitrobenzyl group,

2,4-dinitrobenzyl group, 2,4,6-trinitrobenzyl group, 2-(2-nitrophenyl)ethyl group, 2-(3-nitrophenyl)ethyl group, 2-(4-nitrophenyl)ethyl group, 3-(4-nitrophenyl)-propyl group, 4-(4-nitrophenyl)butyl group, 5-(4-nitrophenyl)pentyl group, 6-(4-nitrophenyl)hexyl group, 2-carbamoylbenzyl group, 3-carbamoylbenzyl group, 4-carbamoylbenzyl group, 2-(2-carbamoylphenyl)ethyl group, 2-(3-carbamoylphenyl)ethyl group, 2-(4-carbamoylphenyl)ethyl group, 3-(4-carbamoylphenyl)-propyl group, 4-(4-carbamoylphenyl)butyl group, 5-(4-carbamoylphenyl)pentyl group, 6-(4-carbamoylphenyl)-hexyl group, 2-acetylaminobenzyl group, 3-acetylaminobenzyl group, 4-acetylaminobenzyl group, 2-(2-acetylaminophenyl)ethyl group, 2-(3-acetylaminophenyl)-ethyl group, 2-(4-acetylaminophenyl)ethyl group, 3-(4-acetylaminophenyl)propyl group, 4-(4-acetylaminophenyl)butyl group, 5-(4-acetylaminophenyl)pentyl group, 6-(4-acetylaminophenyl)hexyl group, 2-ethoxycarbonylbenzyl group, 3-ethoxycarbonylbenzyl group, 4-ethoxycarbonylbenzyl group, 2-(2-ethoxycarbonylphenyl)ethyl group, 2-(3-ethoxycarbonylphenyl)-ethyl group, 2-(4-ethoxycarbonylphenyl)ethyl group, 3-(4-ethoxycarbonylphenyl)propyl group, 4-(4-ethoxycarbonylphenyl)butyl group, 5-(4-ethoxycarbonylphenyl)-pentyl group, 6-(4-ethoxycarbonylphenyl)hexyl group, 2-methylaminocarbonylbenzyl group, 3-methylaminocarbonylbenzyl group, 4-methylaminocarbonylbenzyl group, 2-dimethylaminocarbonylbenzyl group, 3-dimethylamino-

carbonylbenzyl group, 2-ethylaminocarbonylbenzyl group, 3-ethylaminocarbonylbenzyl group, 4-ethylaminocarbonylbenzyl group, 4-dimethylaminocarbonylbenzyl group, 2-diethylaminocarbonylbenzyl group, 3-diethylamino-

5 carbonylbenzyl group, 4-diethylaminocarbonylbenzyl group, 2-(di-n-propylaminocarbonyl)benzyl group, 3-(di-n-propylaminocarbonyl)benzyl group, 4-(di-n-propylaminocarbonyl)benzyl group, 2-methoxycarbonylaminobenzyl group, 3-methoxycarbonylaminobenzyl group,

10 4-methoxycarbonylaminobenzyl group, 2-ethoxycarbonylaminobenzyl group, 3-ethoxycarbonylaminobenzyl group, 4-ethoxycarbonylaminobenzyl group, 2-(tert-butoxycarbonylamino)benzyl group, 3-(tert-butoxycarbonylamino)benzyl group, 4-(tert-butoxycarbonylamino)benzyl

15 group, 4-trimethylsiloxybenzyl group, 4-triethylsiloxybenzyl group, 2-pyrrolylbenzyl group, 3-pyrrolylbenzyl group, 4-pyrrolylbenzyl group, 2-(1-imidazolyl)benzyl group, 3-(1-imidazolyl)benzyl group, 4-(1-imidazolyl)benzyl group, 2-(2-tetrahydropyranyloxy)benzyl group,

20 3-(2-tetrahydropyranyloxy)benzyl group, 4-(2-tetrahydropyranyloxy)benzyl group or the like.

Example of a benzhydryl group (which may be substituted on the benzene ring by at least one group selected from a group consisting of a halogen atom,

25 trifluoromethyl group and trifluoromethoxy group) include a benzhydryl group, 4,4'-dichlorobenzhydryl group, 4,4'-difluorobenzhydryl group, 4,4'-ditrifluoromethylbenzhydryl group, 4,4'-ditrifluoro-

methoxybenzhydryl group or the like.

A phenyl C2-6 alkynyl group (which may have at least one halogen-substituted or unsubstituted C1-6 alkyl group as a substituent on the phenyl ring) includes a phenyl C2-6 alkynyl group (which may have 1 to 3 halogen-substituted or unsubstituted C1-6 alkyl groups as a substituent on the phenyl ring), for example, 2-phenylethynyl group, 3-phenyl-2-propynyl group, 4-phenyl-3-butynyl group, 4-phenyl-2-butynyl group, 5-phenyl-4-pentynyl group, 6-phenyl-5-hexynyl group, 2-methylphenyl-2-propynyl group, 3-methylphenyl-3-butynyl group, 4-methylphenyl-2-butynyl group, 2,4-dimethylphenyl-4-pentynyl group, 2,4,6-trimethylphenyl-5-hexynyl group, 3,5-ditrifluoromethylphenyl-2-propynyl group, 2-trifluoromethylphenyl-3-butynyl group, 3-trifluoromethylphenyl-2-butynyl group, 4-trifluoromethylphenyl-2-propynyl group or the like.

A phenyl C2-6 alkynyl group (which may have at least one halogen-substituted or unsubstituted C1-6 alkyl group as a substituent on the phenyl ring) includes a phenyl C2-6 alkynyl group (which may have 1 to 3 halogen-substituted or unsubstituted C1-6 alkyl groups as a substituent on the phenyl ring), for example, 2-phenylethynyl group, 3-phenyl-2-propynyl group, 4-phenyl-3-butynyl group, 4-phenyl-2-butynyl group, 5-phenyl-4-pentynyl group, 6-phenyl-5-hexynyl group, 2-methylphenyl-2-propynyl group, 3-methylphenyl-3-butynyl group, 4-methylphenyl-2-butynyl group, 2,4-

dimethylphenyl-4-pentynyl group, 2,4,6-trimethylphenyl-5-hexynyl group, 3,5-ditrifluoromethylphenyl-2-propynyl group, 2-trifluoromethylphenyl-3-butynyl group, 3-trifluoromethylphenyl-2-butynyl group, 4-trifluoro-

5 methylphenyl-2-propynyl group or the like.

Examples of a pyridyl C1-6 alkyl group include a 2-pyridylmethyl group, 2-(3-pyridyl)ethyl group, 1-(4-pyridyl)ethyl group, 3-(2-pyridyl)propyl group, 4-(3-pyridyl)butyl group, 5-(4-pyridyl)pentyl

10 group, 6-(2-pyridyl)hexyl group, 2-methyl-3-(3-pyridyl)propyl group, 1,1-dimethyl-2-(2-pyridyl)ethyl group or the like.

A piperidino C1-6 alkyl group (which may be substituted on the piperidine ring by at least one

15 phenoxy group which may have at least one halogen-substituted or unsubstituted alkyl group as a substituent on the phenyl ring) includes a piperidino C1-6 alkyl group (which may be substituted on the piperidine ring by a phenoxy group which may have 1 to

20 3 halogen-substituted or unsubstituted alkyl groups as a substituent on the phenyl ring), for example, piperidin-1-ylmethyl group, 2-(piperidin-2-yl)ethyl group, 3-(piperidin-3-yl)propyl group, 4-(piperidin-4-yl)butyl group, 5-(piperidin-1-yl)pentyl group, 6-

25 (piperidin-1-yl)hexyl group, 4-(4-trifluoromethylphenoxy)piperidin-1-ylmethyl group, 4-phenoxy-piperidin-1-ylmethyl group, 4-(4-methylphenoxy)piperidin-1-ylmethyl group, 4-(2,4-dimethylphenoxy)piperidin-1-

ylmethyl group, 4-(2,4,6-trimethylphenoxy)piperidin-1-ylmethyl group, 2-[4-(4-trifluoromethylphenoxy)-piperidin-1-yl]ethyl group, 3-[4-(4-trifluoromethylphenoxy)piperidin-1-yl]propyl group, 4-[4-(4-trifluoromethylphenoxy)piperidin-1-yl]butyl group, 5-[4-(4-trifluoromethylphenoxy)piperidin-1-yl]pentyl group, 6-[4-(4-trifluoromethylphenoxy)piperidin-1-yl]hexyl group or the like.

An amino C1-6 alkyl group which may have as a substituent at least one group selected from a group consisting of a C1-6 alkyl group and a phenyl group which may have a halogen-substituted or unsubstituted a C1-6 alkoxy group as a substituent on the phenyl ring includes an amino C1-6 alkyl group which may have as a substituent 1 to 2 groups selected from a group consisting of a C1-6 alkyl group and a phenyl group which may have 1 to 3 halogen-substituted or unsubstituted C1-6 alkoxy groups as a substituent on the phenyl ring, for example, an aminomethyl group, 2-aminoethyl group, 2-aminopropyl group, 3-aminopropyl group, 3-aminobutyl group, 4-aminobutyl group, 5-aminopentyl group, 6-aminohexyl group, 2-methylaminoethyl group, 2-methylaminopropyl group, 3-methylaminopropyl group, 3-methylaminobutyl group, 4-methylaminobutyl group, 5-methylaminopentyl group, 6-methylaminohexyl group, 2-(ethylamino)ethyl group, 3-(ethylamino)propyl group, 4-(ethylamino)butyl group, 5-(ethylamino)pentyl group, 6-(ethylamino)hexyl group, 2-(n-propylamino)ethyl group,

3-(n-propylamino)propyl group, 4-(n-propylamino)butyl
 group, 5-(n-propylamino)pentyl group, 6-(n-
 propylamino)hexyl group, 2-(n-butylamino)ethyl group,
 3-(n-butylamino)propyl group, 2-(n-pentylamino)ethyl
 5 group, 3-(n-pentylamino)propyl group, 2-(n-
 hexylamino)ethyl group, 3-(n-hexylamino)propyl group,
 2-dimethylaminoethyl group, 2-dimethylaminopropyl
 group, 3-dimethylaminopropyl group, 3-dimethylamino-
 butyl group, 4-dimethylaminobutyl group, 5-
 10 dimethylaminopentyl group, 6-dimethylaminoethyl group,
 2-(diethylamino)ethyl group, 3-(diethylamino)propyl
 group, 4-(diethylamino)butyl group, 5-(diethylamino)-
 pentyl group, 6-(diethylamino)hexyl group, 2-(di-n-
 propylamino)ethyl group, 3-(di-n-propylamino)propyl
 15 group, 4-(di-n-propylamino)butyl group, 5-(di-n-
 propylamino)pentyl group, 6-(di-n-propylamino)hexyl
 group, 2-(phenylamino)ethyl group, 3-(phenylamino)-
 propyl group, 4-(phenylamino)butyl group, 5-
 (phenylamino)pentyl group, 6-(phenylamino)hexyl group,
 20 2-(N-methyl-N-phenylamino)ethyl group, 3-(N-methyl-N-
 phenylamino)propyl group, 4-(N-methyl-N-phenylamino)-
 butyl group, 5-(N-methyl-N-phenylamino)pentyl group, 6-
 (N-methyl-N-phenylamino)hexyl group, (4-methoxyphenyl)-
 aminomethyl group, (3,4-dimethoxyphenyl)aminomethyl
 25 group, (2,4,6-trimethoxyphenyl)aminomethyl group, 2-(4-
 trifluoromethoxyphenylamino)ethyl group, 3-(4-
 trifluoromethoxyphenylamino)propyl group, 4-(4-
 trifluoromethoxyphenylamino)butyl group, 5-(4-

trifluoromethoxyphenylamino)pentyl group, 6-(4-trifluoromethoxyphenylamino)hexyl group, 2-(N-methyl-N-4-trifluoromethoxyphenylamino)ethyl group, 3-(N-methyl-N-4-trifluoromethoxyphenylamino)propyl group, 4-(N-methyl-N-4-trifluoromethoxyphenylamino)butyl group, 5-(N-methyl-N-4-trifluoromethoxyphenylamino)pentyl group, 6-(N-methyl-N-4-trifluoromethoxyphenylamino)hexyl group or the like.

A 1,2,3,6-tetrahydropyridyl C1-6 alkyl group (which may be substituted on the 1,2,3,6-tetrahydropyridine ring by at least one phenyl group which may have at least one halogen-substituted or unsubstituted C1-6 alkoxy group as a substituent on the phenyl ring) includes a 1,2,3,6-tetrahydropyridyl C1-6 alkyl group (which may be substituted on the 1,2,3,6-tetrahydropyridine ring by 1 to 3 phenyl groups which may have 1 to 3 halogen-substituted or unsubstituted C1-6 alkoxy group as a substituent on the phenyl ring), for example, (1,2,3,6-tetrahydropyridin-1-yl)methyl group, 1-(1,2,3,6-tetrahydropyridin-2-yl)ethyl group, 2-(1,2,3,6-tetrahydropyridin-3-yl)ethyl group, 3-(1,2,3,6-tetrahydropyridin-4-yl)propyl group, 4-(1,2,3,6-tetrahydropyridin-1-yl)butyl group, 5-(1,2,3,6-tetrahydropyridin-2-yl)pentyl group, 6-(1,2,3,6-tetrahydropyridin-3-yl)hexyl group, 2-methyl-3-(1,2,3,6-tetrahydropyridin-1-yl)propyl group, 1,1-dimethyl-2-(1,2,3,6-tetrahydropyridin-4-yl)ethyl group, 4-phenyl-1,2,3,6-tetrahydropyridin-1-ylmethyl group,

3,4,5-triphenyl-1,2,3,6-tetrahydropyridin-1-ylmethyl group, 3,4-diphenyl-1,2,3,6-tetrahydropyridin-1-ylmethyl group, 4-(2-methoxyphenyl)-1,2,3,6-tetrahydropyridin-1-ylmethyl group, 4-(3-methoxyphenyl)-1,2,3,6-tetrahydropyridin-1-ylmethyl group, 4-(4-methoxyphenyl)-1,2,3,6-tetrahydropyridin-1-ylmethyl group, 4-(2,4-dimethoxyphenyl)-1,2,3,6-tetrahydropyridin-1-ylmethyl group, 3-(2,4,6-trimethoxyphenyl)-1,2,3,6-tetrahydropyridin-1-ylmethyl group, 4-(2-trifluoromethoxyphenyl)-1,2,3,6-tetrahydropyridin-1-ylmethyl group, 4-(3-trifluoromethoxyphenyl)-1,2,3,6-tetrahydropyridin-1-ylmethyl group, 4-(3,5-ditrifluoromethoxyphenyl)-1,2,3,6-tetrahydropyridin-1-ylmethyl group, 4-(4-trifluoromethoxyphenyl)-1,2,3,6-tetrahydropyridin-1-ylmethyl group, 2-(4-phenyl-1,2,3,6-tetrahydropyridin-1-yl)ethyl group, 2-[4-(4-methoxyphenyl)-1,2,3,6-tetrahydropyridin-1-yl]ethyl group, 2-[4-(4-trifluoromethoxyphenyl)-1,2,3,6-tetrahydropyridin-1-yl]ethyl group, 3-(4-phenyl-1,2,3,6-tetrahydropyridin-1-yl)propyl group, 3-[4-(4-methoxyphenyl)-1,2,3,6-tetrahydropyridin-1-yl]propyl group, 3-[4-(4-trifluoromethoxyphenyl)-1,2,3,6-tetrahydropyridin-1-yl]propyl group, 4-(4-phenyl-1,2,3,6-tetrahydropyridin-1-yl)butyl group, 4-[4-(4-methoxyphenyl)-1,2,3,6-tetrahydropyridin-1-yl]butyl group, 4-[4-(4-trifluoromethoxyphenyl)-1,2,3,6-tetrahydropyridin-1-yl]butyl group, 5-(4-phenyl-1,2,3,6-tetrahydropyridin-1-yl)pentyl group, 5-[4-(4-

methoxyphenyl)-1,2,3,6-tetrahydropyridin-1-yl]pentyl group, 5-[4-(4-trifluoromethoxyphenyl)-1,2,3,6-tetrahydropyridin-1-yl]pentyl group, 6-(4-phenyl-1,2,3,6-tetrahydropyridin-1-yl)hexyl group, 6-[4-(4-methoxyphenyl)-1,2,3,6-tetrahydropyridin-1-yl]hexyl group, 6-[4-(4-trifluoromethoxyphenyl)-1,2,3,6-tetrahydropyridin-1-yl]hexyl group or the like.

Examples of a fluorenyl C1-6 alkyl group include a 1-fluorenylmethyl group, 2-fluorenylmethyl group, 3-fluorenylmethyl group, 4-fluorenylmethyl group, 9-fluorenylmethyl group, 2-(1-fluorenyl)ethyl group, 2-(2-fluorenyl)ethyl group, 2-(3-fluorenyl)ethyl group, 2-(4-fluorenyl)ethyl group, 2-(9-fluorenyl)ethyl group, 3-(1-fluorenyl)propyl group, 3-(2-fluorenyl)propyl group, 3-(3-fluorenyl)propyl group, 3-(4-fluorenyl)propyl group, 3-(9-fluorenyl)propyl group, 4-(1-fluorenyl)butyl group, 4-(2-fluorenyl)butyl group, 5-(1-fluorenyl)pentyl group, 5-(2-fluorenyl)pentyl group, 6-(1-fluorenyl)hexyl group, 6-(2-fluorenyl)hexyl group or the like.

A furyl C1-6 alkyl group (which may be substituted on the furan ring by a halogen-substituted or unsubstituted phenyl group) includes a furyl C1-6 alkyl group (which may be substituted on the furan ring by a phenyl group unsubstituted or substituted by 1 to 5 halogen atom, for example, a 2-furylmethyl group, 3-furylmethyl group, 2-(2-furyl)ethyl group, 1-(3-furyl)ethyl group, 3-(2-furyl)propyl group, 3-(3-

furyl)propyl group, 4-(2-furyl)butyl group, 4-(3-
 furyl)butyl group, 5-(2-furyl)pentyl group, 5-(3-
 furyl)pentyl group, 6-(2-furyl)hexyl group, 6-(3-
 furyl)hexyl group, 4-phenyl-2-furylmethyl group, 4-(2-
 5 fluorophenyl)-2-furylmethyl group, 4-(3-fluorophenyl)-
 2-furylmethyl group, 4-(4-fluorophenyl)-2-furylmethyl
 group, 4-(2,3,4,5,6-pentafluorophenyl)-2-furylmethyl
 group, 4-(2-chlorophenyl)-2-furylmethyl group, 4-(3-
 chlorophenyl)-2-furylmethyl group, 4-(4-chlorophenyl)-
 10 2-furylmethyl group, 4-(2-bromophenyl)-2-furylmethyl
 group, 4-(3-bromophenyl)-2-furylmethyl group, 4-(4-
 bromophenyl)-2-furylmethyl group, 4-phenyl-3-
 furylmethyl group, 4-(2,3-dichlorophenyl)-3-furylmethyl
 group, 4-(4-chlorophenyl)-3-furylmethyl group, 4-(2-
 15 bromophenyl)-3-furylmethyl group, 4-(3-bromophenyl)-3-
 furylmethyl group, 4-(4-bromophenyl)-3-furylmethyl
 group, 4-phenyl-3-furylethyl group, 2-[4-(3-chloro-
 phenyl)-3-furyl]ethyl group, 2-[4-(4-chlorophenyl)-3-
 furyl]ethyl group, 2-[4-(2-bromophenyl)-3-furyl]ethyl
 20 group, 2-[4-(3-bromophenyl)-3-furyl]ethyl group, 2-[4-
 (2,4-dibromophenyl)-3-furyl]ethyl group, 2-(4-phenyl-2-
 furyl)ethyl group, 2-[4-(3-chlorophenyl)-2-furyl]ethyl
 group, 2-[4-(4-chlorophenyl)-2-furyl]ethyl group, 2-[4-
 (4-bromophenyl)-2-furyl]ethyl group, 3-(4-phenyl-3-
 25 furyl)propyl group, 3-[4-(3-chlorophenyl)-3-furyl]-
 propyl group, 3-[4-(2,4,6-trichlorophenyl)-3-
 furyl]propyl group, 3-[4-(4-bromophenyl)-3-furyl]propyl
 group, 3-(4-phenyl-2-furyl)propyl group, 3-[4-(3-

chlorophenyl)-2-furyl]propyl group, 3-[4-(4-chloro-phenyl)-2-furyl]propyl group, 3-[4-(4-bromophenyl)-2-furyl]propyl group, 4-(4-phenyl-3-furyl)butyl group, 4-[4-(3-chlorophenyl)-3-furyl]butyl group, 4-[4-(4-chlorophenyl)-3-furyl]butyl group, 4-[4-(4-bromophenyl)-3-furyl]butyl group, 4-(4-phenyl-2-furyl)butyl group, 4-[4-(3-chlorophenyl)-2-furyl]butyl group, 4-[4-(4-chlorophenyl)-2-furyl]butyl group, 4-[4-(4-bromophenyl)-2-furyl]butyl group, 5-(4-phenyl-3-furyl)pentyl group, 5-[4-(3-chlorophenyl)-3-furyl]pentyl group, 5-[4-(4-chlorophenyl)-3-furyl]pentyl group, 5-[4-(4-bromophenyl)-3-furyl]pentyl group, 5-(4-phenyl-2-furyl)pentyl group, 5-[4-(3-chlorophenyl)-2-furyl]pentyl group, 5-[4-(4-chlorophenyl)-2-furyl]pentyl group, 5-[4-(4-bromophenyl)-2-furyl]pentyl group, 6-(4-phenyl-3-furyl)hexyl group, 6-[4-(3-chlorophenyl)-3-furyl]hexyl group, 6-[4-(4-chlorophenyl)-3-furyl]hexyl group, 6-[4-(4-bromophenyl)-3-furyl]hexyl group, 6-(4-phenyl-2-furyl)hexyl group, 6-[4-(3-chlorophenyl)-2-furyl]hexyl group, 6-[4-(4-chlorophenyl)-2-furyl]hexyl group, 6-[4-(4-bromophenyl)-2-furyl]hexyl group or the like.

Examples of a thienyl-substituted C1-6 alkyl group include a 2-thienylmethyl group, 3-thienylmethyl group, 2-(2-thienyl)ethyl group, 1-(3-thienyl)ethyl group, 4-(2-thienyl)butyl group, 4-(3-thienyl)butyl group, 5-(2-thienyl)pentyl group, 5-(3-thienyl)pentyl group, 6-(2-thienyl)hexyl group, 6-(3-thienyl)hexyl

group or the like.

An oxazolyl C1-6 alkyl group (which may be substituted on the oxazole ring by a halogen atom or a halogen-substituted or unsubstituted phenyl group)

- 5 includes an oxazolyl C1-6 alkyl group (which may be substituted on the oxazole ring by a halogen atom or 1 to 2 phenyl groups which may be substituted on the phenyl ring by 1 to 5 halogen atoms), for example, a 2-oxazolylmethyl group, 4-oxazolylmethyl group, 5-oxazolylmethyl group, 2-(2-oxazolyl)ethyl group, 1-(4-oxazolyl)ethyl group, 3-(2-oxazolyl)propyl group, 4-(2-oxazolyl)butyl group, 5-(2-oxazolyl)pentyl group, 6-(2-oxazolyl)hexyl group, 2-(4-oxazolyl)ethyl group, 3-(4-oxazolyl)propyl group, 4-(4-oxazolyl)butyl group, 5-(4-oxazolyl)pentyl group, 6-(4-oxazolyl)hexyl group, 2-chloro-4-oxazolylmethyl group, 2,5-dichloro-4-oxazolylmethyl group, 2,5-diphenyl-4-oxazolylmethyl group, 2-(2-chloro-4-oxazolyl)ethyl group, 3-(2-chloro-4-oxazolyl)propyl group, 4-(2-iodo-4-oxazolyl)butyl group, 5-(2-bromo-4-oxazolyl)pentyl group, 6-(2-fluoro-4-oxazolyl)hexyl group, 2-(4-chlorophenyl)-4-oxazolylmethyl group, 2-(2,3,4,5,6-pentafluorophenyl)-4-oxazolylmethyl group, 2-[2-(4-chlorophenyl)-4-oxazolyl]ethyl group, 3-[2-(4-chlorophenyl)-4-oxazolyl]propyl group, 4-[2-(2,4,6-trichlorophenyl)-4-oxazolyl]butyl group, 5-[2-(4-chlorophenyl)-4-oxazolyl]pentyl group, 6-[2-(4-chlorophenyl)-4-oxazolyl]hexyl group, [2-chloro-4-(3-chlorophenyl)-5-

oxazolyl)methyl group or the like.

An oxadiazolyl C1-6 alkyl group (which may be substituted on the oxadiazol ring by a halogen-substituted or unsubstituted phenyl group) includes an

5 oxadiazolyl C1-6 alkyl group (which may be substituted on the oxadiazol ring by a phenyl group unsubstituted or substituted by 1 to 5 halogen atoms), for example, a 5-oxadiazolylmethyl group, 2-(5-oxadiazolyl)ethyl group, 1-(2-oxadiazolyl)ethyl group, 3-(5-oxadiazolyl)-

10 propyl group, 4-(2-oxadiazolyl)butyl group, 5-(5-oxadiazolyl)pentyl group, 6-(2-oxadiazolyl)hexyl group, 2-methyl-3-(2-oxadiazolyl)propyl group, 1,1-dimethyl-2-(5-oxadiazolyl)ethyl group, 2-phenyl-5-oxadiazolyl-methyl group, 2-(2-fluorophenyl)-5-oxadiazolylmethyl

15 group, 2-(3-fluorophenyl)-5-oxadiazolylmethyl group, 2-(2,3,4,5,6-pentafluorophenyl)-5-oxadiazolylmethyl group, 2-(2,4-dichlorophenyl)-5-oxadiazolylmethyl group, 2-(3-chlorophenyl)-5-oxadiazolylmethyl group, 2-(4-chlorophenyl)-5-oxadiazolylmethyl group, 2-(2-

20 bromophenyl)-5-oxadiazolylmethyl group, 2-(2,4,6-tribromophenyl)-5-oxadiazolylmethyl group, 2-(4-bromophenyl)-5-oxadiazolylmethyl group, 2-(5-oxadiazolyl)ethyl group, 3-(5-oxadiazolyl)propyl group, 4-(5-oxadiazolyl)butyl group, 5-(5-oxadiazolyl)pentyl

25 group, 6-(5-oxadiazolyl)hexyl group, 2-(2-phenyl-5-oxadiazolyl)ethyl group, 3-(2-phenyl-5-oxadiazolyl)-propyl group, 4-(2-phenyl-5-oxadiazolyl)butyl group, 5-(2-phenyl-5-oxadiazolyl)pentyl group, 6-(2-phenyl-5-

oxadiazolyl)hexyl group, 2-[2-(4-chlorophenyl)-5-oxadiazolyl]ethyl group, 3-[2-(4-chlorophenyl)-5-oxadiazolyl]propyl group, 4-[2-(4-chlorophenyl)-5-oxadiazolyl]butyl group, 5-[2-(4-chlorophenyl)-5-oxadiazolyl]pentyl group, 6-[2-(4-chlorophenyl)-5-oxadiazolyl]hexyl group or the like.

A pyrazolyl C1-6 alkyl group (which may be substituted on the pyrazole ring by a halogen-substituted or unsubstituted phenyl group) includes a
 10 pyrazolyl C1-6 alkyl group (which may be substituted on the pyrazole ring by 1 to 3 phenyl groups unsubstituted or substituted by 1 to 5 halogen atoms), for example, a 3-pyrazolylmethyl group, 2-(4-pyrazolyl)ethyl group, 1-(5-pyrazolyl)ethyl group, 3-(3-pyrazolyl)propyl group,
 15 4-(4-pyrazolyl)butyl group, 5-(1-pyrazolyl)pentyl group, 6-(5-pyrazolyl)hexyl group, 2-methyl-3-(1-pyrazolyl)propyl group, 1,1-dimethyl-2-(3-pyrazolyl)-ethyl group, 1-(1-phenyl-3-pyrazolylmethyl group, 1-(2-fluorophenyl)-4-pyrazolylmethyl group, 1-(3-fluoro-
 20 phenyl)-3-pyrazolylmethyl group, 3-phenyl-1-pyrazolylmethyl group, 3,4,5-triphenyl-1-pyrazolylmethyl group, 3,4-diphenyl-1-pyrazolylmethyl group, 1-(4-fluorophenyl)-3-pyrazolylmethyl group, 1-(2,3,4,5,6-pentafluorophenyl)-3-pyrazolylmethyl group, 1-(2-chlorophenyl)-5-pyrazolylmethyl group, 1-(3-chloro-
 25 phenyl)-3-pyrazolylmethyl group, 1-(4-chlorophenyl)-3-pyrazolylmethyl group, 1-(2-bromophenyl)-3-pyrazolylmethyl group, 1-(3-bromophenyl)-3-pyrazolylmethyl

group, 1-(4-bromophenyl)-3-pyrazolylmethyl group, 2-(3-pyrazolyl)ethyl group, 3-(3-pyrazolyl)propyl group, 4-(3-pyrazolyl)butyl group, 5-(3-pyrazolyl)pentyl group, 6-(3-pyrazolyl)hexyl group, 2-[1-(4-chlorophenyl)-3-pyrazolyl]ethyl group, 3-[1-(2,4-dichlorophenyl)-3-pyrazolyl]propyl group, 4-[1-(4-chlorophenyl)-3-pyrazolyl]butyl group, 5-[1-(4-chlorophenyl)-3-pyrazolyl]pentyl group, 6-[1-(2,4,6-trichlorophenyl)-3-pyrazolyl]hexyl group or the like.

10 A benzothienyl C1-6 alkyl group (which may be substituted on the benzothiophene ring by at least one group selected from a group consisting of a halogen atom and a halogen-substituted or unsubstituted C1-6 alkoxy group) includes a benzothienyl C1-6 alkyl group
 15 (which may be substituted on the benzothiophene ring by 1 to 3 groups selected from a group of a halogen atom and a halogen-substituted or unsubstituted C1-6 alkoxy group), for example, a 2-benzothienylmethyl group, 2-(3-benzothienyl)ethyl group, 1-(4-benzothienyl)ethyl
 20 group, 3-(5-benzothienyl)propyl group, 4-(6-benzothienyl)butyl group, 5-(7-benzothienyl)pentyl group, 6-(2-benzothienyl)hexyl group, 2-methyl-3-(3-benzothienyl)propyl group, 1,1-dimethyl-2-(2-benzothienyl)ethyl group, 4-fluoro-2-benzothienylmethyl
 25 group, 5-fluoro-2-benzothienylmethyl group, 6-fluoro-2-benzothienylmethyl group, 7-fluoro-2-benzothienylmethyl group, 4-chloro-2-benzothienylmethyl group, 5-chloro-2-benzothienylmethyl group, 6-chloro-2-benzothienylmethyl

- group, 7-chloro-2-benzothienylmethyl group, 4-bromo-2-benzothienylmethyl group, 5-bromo-2-benzothienylmethyl group, 6-bromo-2-benzothienylmethyl group, 7-bromo-2-benzothienylmethyl group, 4-methoxy-2-
- 5 benzothienylmethyl group, 5-methoxy-2-benzothienylmethyl group, 6-methoxy-2-benzothienylmethyl group, 6,7-dimethoxy-2-benzothienylmethyl group, 3,6,7-trimethoxy-2-benzothienylmethyl group, 7-methoxy-2-benzothienylmethyl group, 4-trifluoromethoxy-2-
- 10 benzothienylmethyl group, 5-trifluoromethoxy-2-benzothienylmethyl group, 6-trifluoromethoxy-2-benzothienylmethyl group, 7-trifluoromethoxy-2-benzothienylmethyl group, 4-ethoxy-2-benzothienylmethyl group, 5-ethoxy-2-benzothienylmethyl group, 6-ethoxy-2-
- 15 benzothienylmethyl group, 7-ethoxy-2-benzothienylmethyl group, 4-chloro-5-trifluoromethoxy-2-benzothienylmethyl group, 6-chloro-5-trifluoromethoxy-2-benzothienylmethyl group, 7-chloro-5-trifluoromethoxy-2-benzothienylmethyl group, 3-benzothienylmethyl group, 4-fluoro-3-
- 20 benzothienylmethyl group, 5-fluoro-3-benzothienylmethyl group, 6-fluoro-3-benzothienylmethyl group, 7-fluoro-3-benzothienylmethyl group, 4-chloro-3-benzothienylmethyl group, 5-chloro-3-benzothienylmethyl group, 6-chloro-3-benzothienylmethyl group, 7-chloro-3-benzothienylmethyl
- 25 group, 4-bromo-3-benzothienylmethyl group, 5-bromo-3-benzothienylmethyl group, 6-bromo-3-benzothienylmethyl group, 7-bromo-3-benzothienylmethyl group, 4-methoxy-3-benzothienylmethyl group, 5-methoxy-3-benzothienyl-

methyl group, 6-methoxy-3-benzothienylmethyl group, 7-
 methoxy-3-benzothienylmethyl group, 4-trifluoromethoxy-
 3-benzothienylmethyl group, 5-trifluoromethoxy-3-
 benzothienylmethyl group, 6-trifluoromethoxy-3-
 5 benzothienylmethyl group, 7-trifluoromethoxy-3-
 benzothienylmethyl group, 4-ethoxy-3-benzothienylmethyl
 group, 5-ethoxy-3-benzothienylmethyl group, 6-ethoxy-3-
 benzothienylmethyl group, 7-ethoxy-3-benzothienylmethyl
 group, 4-chloro-5-trifluoromethoxy-3-benzothienylmethyl
 10 group, 6-chloro-5-trifluoromethoxy-3-benzothienylmethyl
 group, 7-chloro-5-trifluoromethoxy-3-benzothienylmethyl
 group, 2-(2-benzothienyl)ethyl group, 3-(2-benzo-
 thienyl)propyl group, 4-(2-benzothienyl)butyl group, 5-
 (2-benzothienyl)pentyl group, 6-(2-benzothienyl)hexyl
 15 group, 2-(3-benzothienyl)ethyl group, 3-(3-benzo-
 thienyl)propyl group, 4-(3-benzothienyl)butyl group, 5-
 (3-benzothienyl)pentyl group, 6-(3-benzothienyl)hexyl
 group, 2-(5-chloro-2-benzothienyl)ethyl group, 3-(5-
 chloro-2-benzothienyl)propyl group, 4-(5-chloro-2-
 20 benzothienyl)butyl group, 5-(5-chloro-2-benzothienyl)-
 pentyl group, 6-(5-chloro-2-benzothienyl)hexyl group,
 2-(5-chloro-3-benzothienyl)ethyl group, 3-(5-chloro-3-
 benzothienyl)propyl group, 4-(5-chloro-3-benzothienyl)-
 butyl group, 5-(5-chloro-3-benzothienyl)pentyl group,
 25 6-(5-chloro-3-benzothienyl)hexyl group or the like.

A thienyl C1-6 alkyl group which may be
 substituted on the thiophene ring by a halogen atom
 includes a thienyl C1-6 alkyl group (which may be

substituted on the thiophene ring by 1 to 3 halogen atoms, for example, a 2-thienylmethyl group, 2-(3-thienyl)ethyl group, 1-(2-thienyl)ethyl group, 3-(2-thienyl)propyl group, 4-(3-thienyl)butyl group, 5-(2-thienyl)pentyl group, 6-(2-thienyl)hexyl group, 2-methyl-3-(3-thienyl)propyl group, 1,1-dimethyl-2-(2-thienyl)ethyl group, 3-fluoro-2-thienylmethyl group, 4-fluoro-2-thienylmethyl group, 3,4-difluoro-2-thienylmethyl group, 3,4,5-trichloro-2-thienylmethyl group, 5-fluoro-2-thienylmethyl group, 3-chloro-2-thienylmethyl group, 4-chloro-2-thienylmethyl group, 5-chloro-2-thienylmethyl group, 3-bromo-2-thienylmethyl group, 4-bromo-2-thienylmethyl group, 5-bromo-2-thienylmethyl group, 3-thienylmethyl group, 2-fluoro-3-thienylmethyl group, 4-fluoro-3-thienylmethyl group, 5-fluoro-3-thienylmethyl group, 2-chloro-3-thienylmethyl group, 4-chloro-3-thienylmethyl group, 5-chloro-3-thienylmethyl group, 2-bromo-3-thienylmethyl group, 4-bromo-3-thienylmethyl group, 5-iodo-3-thienylmethyl group, 2-(5-chloro-2-thienyl)ethyl group, 3-(5-chloro-2-thienyl)propyl group, 4-(5-chloro-2-thienyl)butyl group, 5-(5-chloro-2-thienyl)pentyl group, 6-(5-chloro-2-thienyl)hexyl group, 2-(5-chloro-3-thienyl)ethyl group, 3-(5-chloro-3-thienyl)propyl group, 4-(5-chloro-3-thienyl)butyl group, 5-(5-chloro-3-thienyl)pentyl group, 6-(5-chloro-3-thienyl)hexyl group or the like.

Examples of a benzothiazolyl C1-6 alkyl group include a benzothiazol-2-ylmethyl group, benzothiazol-

4-ylmethyl group, benzothiazol-5-ylmethyl group, benzothiazol-6-ylmethyl group, benzothiazol-7-ylmethyl group, 2-(benzothiazol-4-yl)ethyl group, (benzothiazol-5-yl)methyl group, 2-(benzothiazol-6-yl)ethyl group, 2-
 5 (benzothiazol-7-yl)ethyl group, 3-(benzothiazol-4-yl)propyl group, 3-(benzothiazol-5-yl)propyl group, 3-(benzothiazol-6-yl)propyl group, 3-(benzothiazol-7-yl)propyl group, 4-(benzothiazol-2-yl)butyl group, 4-(benzothiazol-4-yl)butyl group, 4-(benzothiazol-5-
 10 yl)butyl group, 4-(benzothiazol-6-yl)butyl group, 4-(benzothiazol-7-yl)butyl group, 5-(benzothiazol-2-yl)pentyl group, 5-(benzothiazol-4-yl)pentyl group, 5-(benzothiazol-5-yl)pentyl group, 5-(benzothiazol-6-yl)pentyl group, 5-(benzothiazol-7-yl)pentyl group, 6-
 15 (benzothiazol-2-yl)hexyl group, 6-(benzothiazol-4-yl)hexyl group, 6-(benzothiazol-5-yl)hexyl group, 6-(benzothiazol-6-yl)hexyl group, 6-(benzothiazol-7-yl)hexyl group or the like.

A benzofuryl C1-6 alkyl group which may be
 20 substituted on the benzofuran ring by a halogen atom as a substituent includes a benzofuryl C1-6 alkyl group which may be substituted on the benzofuran ring by 1 to 3 halogen atoms as a substituent, for example, a 2-benzofurylmethyl group, 2-(3-benzofuryl)ethyl group, 1-
 25 (4-benzofuryl)ethyl group, 3-(5-benzofuryl)propyl group, 4-(6-benzofuryl)butyl group, 5-(7-benzofuryl)pentyl group, 6-(2-benzofuryl)hexyl group, 2-methyl-3-(3-benzofuryl)propyl group, 1,1-dimethyl-2-(2-

benzofuryl)ethyl group, 4-fluoro-2-benzofurylmethyl
 group, 5-fluoro-2-benzofurylmethyl group, 6-fluoro-2-
 benzofurylmethyl group, 7-fluoro-2-benzofurylmethyl
 group, 4-chloro-2-benzofurylmethyl group, 5-chloro-2-
 5 benzofurylmethyl group, 6-chloro-2-benzofurylmethyl
 group, 7-chloro-2-benzofurylmethyl group, 4-bromo-2-
 benzofurylmethyl group, 5-bromo-2-benzofurylmethyl
 group, 6-bromo-2-benzofurylmethyl group, 7-bromo-2-
 benzofurylmethyl group, 4-iodo-2-benzofurylmethyl
 10 group, 5-iodo-2-benzofurylmethyl group, 6-iodo-2-
 benzofurylmethyl group, 7-iodo-2-benzofurylmethyl
 group, 4-fluoro-3-benzofurylmethyl group, 5-fluoro-3-
 benzofurylmethyl group, 5,6-difluoro-2-benzofurylmethyl
 group, 7-fluoro-3-benzofurylmethyl group, 4-chloro-3-
 15 benzofurylmethyl group, 3,5,6-trichloro-3-
 benzofurylmethyl group, 6-chloro-3-benzofurylmethyl
 group, 7-chloro-3-benzofurylmethyl group, 4-bromo-3-
 benzofurylmethyl group, 5-bromo-3-benzofurylmethyl
 group, 6-bromo-3-benzofurylmethyl group, 7-bromo-3-
 20 benzofurylmethyl group, 4-iodo-3-benzofurylmethyl
 group, 5-iodo-3-benzofurylmethyl group, 6-iodo-3-
 benzofurylmethyl group, 7-iodo-3-benzofurylmethyl group
 or the like.

An indolinyl C1-6 alkyl group (which may be
 25 substituted on the indoline ring by at least one group
 selected from a group consisting of a C1-6 alkyl group
 and an oxo group) includes an indolinyl C1-6 alkyl
 group (which may be substituted on the indoline ring by

1 to 5 groups selected from a group consisting of a C1-6 alkyl group and an oxo group), for example, a 2-indolinylmethyl group, 2-(3-indolinyl)ethyl group, 1-(4-indolinyl)ethyl group, 3-(5-indolinyl)propyl group, 5 4-(6-indolinyl)butyl group, 5-(7-indolinyl)pentyl group, 6-(1-indolinyl)hexyl group, 2-methyl-3-(3-indolinyl)propyl group, 1,1-dimethyl-2-(2-indolinyl)-ethyl group, 3,3-dimethyl-5-indolinylmethyl group, 1,3,3-trimethyl-5-indolinylmethyl group, 1-ethyl-3,3-10 dimethyl-5-indolinylmethyl group, 1-methyl-5-indolinylmethyl group, 1,3-dimethyl-5-indolinylmethyl group, 1,3,3,6,7-pentamethyl-5-indolinylmethyl group, 3,3-dimethyl-1-(n-propyl)-5-indolinylmethyl group, 3,3-dimethyl-1-(isopropyl)-5-indolinylmethyl group, 1-(n-15 butyl)-3,3-dimethyl-5-indolinylmethyl group, 1-(sec-butyl)-3,3-dimethyl-5-indolinylmethyl group, 1-(tert-butyl)-3,3-dimethyl-5-indolinylmethyl group, 1-(n-pentyl)-3,3-dimethyl-5-indolinylmethyl group, 1-(n-hexyl)-3,3-dimethyl-5-indolinylmethyl group, 3,3-20 dimethyl-2-oxo-5-indolinylmethyl group, 1,3,3-trimethyl-2-oxo-5-indolinylmethyl group, 1-ethyl-3,3-dimethyl-2-oxo-5-indolinylmethyl group, 3,3-dimethyl-2-oxo-1-(n-propyl)-5-indolinylmethyl group, 3,3-dimethyl-2-oxo-1-(isopropyl)-5-indolinylmethyl group, 1-(n-25 butyl)-3,3-dimethyl-2-oxo-5-indolinylmethyl group, 1-(sec-butyl)-3,3-dimethyl-2-oxo-5-indolinylmethyl group, 1-(tert-butyl)-3,3-dimethyl-2-oxo-5-indolinylmethyl group, 1-(n-pentyl)-3,3-dimethyl-2-oxo-5-indolinyl-

methyl group, 1-(n-hexyl)-3,3-dimethyl-2-oxo-5-indolinylmethyl group, 2-oxo-5-indolinylmethyl group or the like.

A benzoxazolyl C1-6 alkyl group (which may be substituted on the benzoxazole ring by at least one group selected from a group consisting of a halogen atom, C1-6 alkyl group and oxo group) includes benzoxazolyl C1-6 alkyl group (which may be substituted on the benzoxazole ring by 1 to 3 groups selected from a group consisting of a halogen atom, C1-6 alkyl group and oxo group), for example, a benzoxazol-2-ylmethyl group, benzoxazol-4-ylmethyl group, benzoxazol-5-ylmethyl group, benzoxazol-6-ylmethyl group, benzoxazol-7-ylmethyl group, 2-(benzoxazol-2-yl)ethyl group, 1-(benzoxazol-4-yl)ethyl group, 3-(benzoxazol-5-yl)propyl group, 4-(benzoxazol-6-yl)butyl group, 5-(benzoxazol-7-yl)pentyl group, 6-(benzoxazol-2-yl)hexyl group, 2-methyl-3-(benzoxazol-4-yl)propyl group, 1,1-dimethyl-2-(benzoxazol-5-yl)ethyl group, 2,5-dimethylbenzoxazol-4-ylmethyl group, 2,5,6-trimethylbenzoxazol-4-ylmethyl group, 4,5-dichlorobenzoxazol-4-ylmethyl group, 2,4,5-trichlorobenzoxazol-4-ylmethyl group, (2,3-dihydro-2-oxo-benzoxazol-3-yl)methyl group, (2,3-dihydro-2-oxo-benzoxazol-4-yl)methyl group, (2,3-dihydro-2-oxo-benzoxazol-5-yl)methyl group, (2,3-dihydro-2-oxo-benzoxazol-6-yl)methyl group, (2,3-dihydro-2-oxo-benzoxazol-7-yl)methyl group, 2-(benzoxazol-4-yl)ethyl group, (benzoxazol-5-yl)methyl

group, 2-(benzoxazol-6-yl)ethyl group, 2-(benzoxazol-7-yl)ethyl group, 2-(2,3-dihydro-2-oxo-benzoxazol-3-yl)ethyl group, 2-(2,3-dihydro-2-oxo-benzoxazol-4-yl)ethyl group, 2-(2,3-dihydro-2-oxo-benzoxazol-5-yl)ethyl group, 2-(2,3-dihydro-2-oxo-benzoxazol-6-yl)ethyl group, 2-(2,3-dihydro-2-oxo-benzoxazol-7-yl)ethyl group, 3-(benzoxazol-2-yl)propyl group, 3-(benzoxazol-4-yl)propyl group, 3-(benzoxazol-6-yl)propyl group, 3-(benzoxazol-7-yl)propyl group, 3-(2,3-dihydro-2-oxo-benzoxazol-3-yl)propyl group, 3-(2,3-dihydro-2-oxo-benzoxazol-4-yl)propyl group, 3-(2,3-dihydro-2-oxo-benzoxazol-5-yl)propyl group, 3-(2,3-dihydro-2-oxo-benzoxazol-6-yl)propyl group, 3-(2,3-dihydro-2-oxo-benzoxazol-7-yl)propyl group, 4-(benzoxazol-2-yl)butyl group, 4-(benzoxazol-4-yl)butyl group, 4-(benzoxazol-5-yl)butyl group, 4-(benzoxazol-7-yl)butyl group, 4-(2,3-dihydro-2-oxo-benzoxazol-3-yl)butyl group, 4-(2,3-dihydro-2-oxo-benzoxazol-4-yl)butyl group, 4-(2,3-dihydro-2-oxo-benzoxazol-5-yl)butyl group, 4-(2,3-dihydro-2-oxo-benzoxazol-6-yl)butyl group, 4-(2,3-dihydro-2-oxo-benzoxazol-7-yl)butyl group, 5-(benzoxazol-2-yl)pentyl group, 5-(benzoxazol-4-yl)pentyl group, 5-(benzoxazol-5-yl)pentyl group, 5-(benzoxazol-6-yl)pentyl group, 5-(2,3-dihydro-2-oxo-benzoxazol-3-yl)pentyl group, 5-(2,3-dihydro-2-oxo-benzoxazol-4-yl)pentyl group, 5-(2,3-dihydro-2-oxo-benzoxazol-5-yl)pentyl group, 5-(2,3-dihydro-2-oxo-benzoxazol-6-yl)pentyl group, 5-

(2,3-dihydro-2-oxo-benzoxazol-7-yl)pentyl group, 6-(benzoxazol-4-yl)hexyl group, 6-(benzoxazol-5-yl)hexyl group, 6-(benzoxazol-6-yl)hexyl group, 6-(benzoxazol-7-yl)hexyl group, 6-(2,3-dihydro-2-oxo-benzoxazol-3-yl)hexyl group, 6-(2,3-dihydro-2-oxo-benzoxazol-4-yl)hexyl group, 6-(2,3-dihydro-2-oxo-benzoxazol-5-yl)hexyl group, 6-(2,3-dihydro-2-oxo-benzoxazol-6-yl)hexyl group, 6-(2,3-dihydro-2-oxo-benzoxazol-7-yl)hexyl group, 2-methylbenzoxazol-4-ylmethyl group, 2-methylbenzoxazol-5-ylmethyl group, 2-methylbenzoxazol-6-ylmethyl group, 4-methylbenzoxazol-2-ylmethyl group, 5-methylbenzoxazol-2-ylmethyl group, 6-methylbenzoxazol-2-ylmethyl group, 7-methylbenzoxazol-2-ylmethyl group, 2-ethylbenzoxazol-4-ylmethyl group, 2-ethylbenzoxazol-5-ylmethyl group, 2-ethylbenzoxazol-6-ylmethyl group, 2-n-propylbenzoxazol-4-ylmethyl group, 2-n-propylbenzoxazol-5-ylmethyl group, 2-n-propylbenzoxazol-6-ylmethyl group, 4-fluorobenzoxazol-2-ylmethyl group, 5-fluoro-2-benzoxazolylmethyl group, 6-fluoro-2-benzoxazolylmethyl group, 7-fluorobenzoxazol-2-ylmethyl group, 4-chlorobenzoxazol-2-ylmethyl group, 5-chloro-2-benzoxazol-2-ylmethyl group, 6-chloro-2-benzoxazol-2-ylmethyl group, 7-chloro-2-benzoxazol-2-ylmethyl group, 4-bromo-2-benzoxazol-2-ylmethyl group, 5-bromo-2-benzoxazol-2-ylmethyl group, 6-bromo-2-benzoxazol-2-ylmethyl group, 7-bromo-2-benzoxazol-2-ylmethyl group, 4-fluoro-2-oxo-2,3-dihydrobenzoxazol-3-ylmethyl group, 5-fluoro-2-oxo-2,3-dihydrobenzoxazol-3-

- ylmethyl group, 6-fluoro-2-oxo-2,3-dihydrobenzoxazol-3-ylmethyl group, 7-fluoro-2-oxo-2,3-dihydrobenzoxazol-3-ylmethyl group, 4-chloro-2-oxo-2,3-dihydrobenzoxazol-3-ylmethyl group, 5-chloro-2-oxo-2,3-dihydrobenzoxazol-3-ylmethyl group, 6-chloro-2-oxo-2,3-dihydrobenzoxazol-3-ylmethyl group, 7-chloro-2-oxo-2,3-dihydrobenzoxazol-3-ylmethyl group, 4-bromo-2-oxo-2,3-dihydrobenzoxazol-3-ylmethyl group, 5-bromo-2-oxo-2,3-dihydrobenzoxazol-3-ylmethyl group, 6-bromo-2-oxo-2,3-dihydrobenzoxazol-3-ylmethyl group, 7-bromo-2-oxo-2,3-dihydrobenzoxazol-3-ylmethyl group, 4-fluoro-2-oxo-2,3-dihydrobenzoxazol-5-ylmethyl group, 5-fluoro-2-oxo-2,3-dihydrobenzoxazol-5-ylmethyl group, 6-fluoro-2-oxo-2,3-dihydrobenzoxazol-5-ylmethyl group, 7-fluoro-2-oxo-2,3-dihydrobenzoxazol-5-ylmethyl group, 4-chloro-2-oxo-2,3-dihydrobenzoxazol-5-ylmethyl group, 5-chloro-2-oxo-2,3-dihydrobenzoxazol-5-ylmethyl group, 6-chloro-2-oxo-2,3-dihydrobenzoxazol-5-ylmethyl group, 7-chloro-2-oxo-2,3-dihydrobenzoxazol-5-ylmethyl group, 4-bromo-2-oxo-2,3-dihydrobenzoxazol-5-ylmethyl group, 5-bromo-2-oxo-2,3-dihydrobenzoxazol-5-ylmethyl group, 6-bromo-2-oxo-2,3-dihydrobenzoxazol-5-ylmethyl group, 7-bromo-2-oxo-2,3-dihydrobenzoxazol-5-ylmethyl group, 4-fluoro-2-oxo-2,3-dihydrobenzoxazol-6-ylmethyl group, 5-fluoro-2-oxo-2,3-dihydrobenzoxazol-6-ylmethyl group, 6-fluoro-2-oxo-2,3-dihydrobenzoxazol-6-ylmethyl group, 7-fluoro-2-oxo-2,3-dihydrobenzoxazol-6-ylmethyl group, 4-chloro-2-oxo-2,3-dihydrobenzoxazol-6-ylmethyl group, 5-chloro-2-oxo-2,3-dihydrobenzoxazol-6-

ylmethyl group, 6-chloro-2-oxo-2,3-dihydrobenzoxazol-6-ylmethyl group, 7-chloro-2-oxo-2,3-dihydrobenzoxazol-6-ylmethyl group, 4-bromo-2-oxo-2,3-dihydrobenzoxazol-6-ylmethyl group, 5-bromo-2-oxo-2,3-dihydrobenzoxazol-6-ylmethyl group, 6-bromo-2-oxo-2,3-dihydrobenzoxazol-6-ylmethyl group, 7-bromo-2-oxo-2,3-dihydrobenzoxazol-6-ylmethyl group or the like.

Examples of a chromenyl C1-6 alkyl group include 2-chromenylmethyl group, 3-chromenylmethyl group, 4-chromenylmethyl group, 5-chromenylmethyl group, 6-chromenylmethyl group, 7-chromenylmethyl group, 8-chromenylmethyl group, 2-(2-chromenyl)ethyl group, 1-(3-chromenyl)ethyl group, 3-(4-chromenyl)propyl group, 4-(5-chromenyl)butyl group, 5-(6-chromenyl)pentyl group, 6-(7-chromenyl)hexyl group, 2-methyl-3-(8-chromenyl)propyl group, 1,1-dimethyl-2-(6-chromenyl)ethyl group or the like.

Examples of a 1,2,3,4-tetrahydroquinolyl C1-6 alkyl group (which may be substituted on the quinoline ring by at least one group selected from a group consisting of a C1-6 alkyl group and an oxo group) includes a 1,2,3,4-tetrahydroquinolyl C1-6 alkyl group (which may be substituted on the quinoline ring by 1 to 3 groups selected from a group consisting of a C1-6 alkyl group and an oxo group), for example, a (1,2,3,4-tetrahydro-6-quinolyl)methyl group, 2-(1,2,3,4-tetrahydro-2-quinolyl)ethyl group, 1-(1,2,3,4-tetrahydro-1-quinolyl)ethyl group, 3-(1,2,3,4-

- tetrahydro-3-quinolyl)propyl group, 4-(1,2,3,4-tetrahydro-4-quinolyl)butyl group, 5-(1,2,3,4-tetrahydro-5-quinolyl)pentyl group, 6-(1,2,3,4-tetrahydro-6-quinolyl)hexyl group, 2-methyl-3-(1,2,3,4-tetrahydro-7-quinolyl)propyl group, 1,1-dimethyl-2-(1,2,3,4-tetrahydro-8-quinolyl)ethyl group, 2-oxo-1,2,3,4-tetrahydro-6-quinolylmethyl group, 4-methyl-1,2,3,4-tetrahydro-6-quinolylmethyl group, 4-oxo-1,2,3,4-tetrahydro-6-quinolylmethyl group, 4,6-dimethyl-1,2,3,4-tetrahydro-5-quinolylmethyl group, 1,4,8-trimethyl-1,2,3,4-tetrahydro-6-quinolylmethyl group, 1-methyl-2-oxo-1,2,3,4-tetrahydro-6-quinolylmethyl group, 1-ethyl-2-oxo-1,2,3,4-tetrahydro-6-quinolylmethyl group, 2-oxo-1-(n-propyl)-1,2,3,4-tetrahydro-6-quinolylmethyl group, 2-oxo-1-(isopropyl)-1,2,3,4-tetrahydro-6-quinolylmethyl group, 1-(n-butyl)-2-oxo-1,2,3,4-tetrahydro-6-quinolylmethyl group, 1-(sec-butyl)-2-oxo-1,2,3,4-tetrahydro-6-quinolylmethyl group, 1-(tert-butyl)-2-oxo-1,2,3,4-tetrahydro-6-quinolylmethyl group, 1-(n-pentyl)-2-oxo-1,2,3,4-tetrahydro-6-quinolylmethyl group, 1-(n-hexyl)-2-oxo-1,2,3,4-tetrahydro-6-quinolylmethyl group, 2-(2-oxo-1,2,3,4-tetrahydro-6-quinolyl)ethyl group, 3-(2-oxo-1,2,3,4-tetrahydro-6-quinolyl)propyl group, 4-(2-oxo-1,2,3,4-tetrahydro-6-quinolyl)butyl group, 5-(2-oxo-1,2,3,4-tetrahydro-6-quinolyl)pentyl group, 6-(2-oxo-1,2,3,4-tetrahydro-6-quinolyl)hexyl group, 2-(1-methyl-2-oxo-1,2,3,4-tetrahydro-6-quinolyl)ethyl group, 3-(1-

methyl-2-oxo-1,2,3,4-tetrahydro-6-quinolyl)propyl group, 4-(1-methyl-2-oxo-1,2,3,4-tetrahydro-6-quinolyl)butyl group, 5-(1-methyl-2-oxo-1,2,3,4-tetrahydro-6-quinolyl)pentyl group, 6-(1-methyl-2-oxo-1,2,3,4-tetrahydro-6-quinolyl)hexyl group or the like.

A thiazolyl C1-6 alkyl group (which may be substituted on the thiazole ring by at least one group selected from a group consisting of a halogen atom, a halogen-substituted or unsubstituted phenyl group and a C1-6 alkyl group) includes a thiazolyl C1-6 alkyl group (which may be substituted on the thiazole ring by 1 to 2 groups selected from a group consisting of a halogen atom, 1 to 5 halogen-substituted or unsubstituted phenyl group and a C1-6 alkyl group), for example, a 2-thiazolylmethyl group, 4-thiazolylmethyl group, 5-thiazolylmethyl group, 2-(2-thiazolyl)ethyl group, 1-(4-thiazolyl)ethyl group, 3-(5-thiazolyl)propyl group, 4-(2-thiazolyl)butyl group, 5-(4-thiazolyl)pentyl group, 6-(5-thiazolyl)hexyl group, 2-methyl-3-(2-thiazolyl)propyl group, 1,1-dimethyl-2-(4-thiazolyl)ethyl group, 2-chloro-4-thiazolylmethyl group, 2,5-dichloro-4-thiazolylmethyl group, 2-chloro-5-thiazolylmethyl group, 2-chloro-6-thiazolylmethyl group, 6-chloro-2-thiazolylmethyl group, 5-chloro-2-thiazolylmethyl group, 4-chloro-2-thiazolylmethyl group, 5-chloro-4-thiazolylmethyl group, 4-chloro-5-thiazolylmethyl group, 2-ethyl-4-thiazolylmethyl group, 2,5-dimethyl-4-thiazolylmethyl group, 2-methyl-4-

thiazolylmethyl group, 2-methyl-5-thiazolylmethyl group, 2-methyl-6-thiazolylmethyl group, 6-methyl-2-thiazolylmethyl group, 5-methyl-2-thiazolylmethyl group, 4-methyl-2-thiazolylmethyl group, 5-methyl-4-thiazolylmethyl group, 4-methyl-5-thiazolylmethyl group, 2-ethyl-4-thiazolylmethyl group, 2-ethyl-5-thiazolylmethyl group, 2-ethyl-6-thiazolylmethyl group, 6-ethyl-2-thiazolylmethyl group, 5-ethyl-2-thiazolylmethyl group, 4-ethyl-2-thiazolylmethyl group, 5-ethyl-4-thiazolylmethyl group, 4-ethyl-5-thiazolylmethyl group, 2-phenyl-4-thiazolylmethyl group, 2-phenyl-5-thiazolylmethyl group, 2-phenyl-6-thiazolylmethyl group, 6-phenyl-2-thiazolylmethyl group, 5-phenyl-2-thiazolylmethyl group, 4-phenyl-2-thiazolylmethyl group, 5-phenyl-4-thiazolylmethyl group, 4-phenyl-5-thiazolylmethyl group, 5-(2-fluorophenyl)-2-thiazolylmethyl group, 5-(2,4-difluorophenyl)-4-thiazolylmethyl group, 4-(2-fluorophenyl)-5-thiazolylmethyl group, 2-(2-fluorophenyl)-4-thiazolylmethyl group, 2-(2-fluorophenyl)-5-thiazolylmethyl group, 2-(3-fluorophenyl)-4-thiazolylmethyl group, 2-(3-fluorophenyl)-5-thiazolylmethyl group, 2-(4-fluorophenyl)-4-thiazolylmethyl group, 4-(2-fluorophenyl)-5-thiazolylmethyl group, 2-(2-chlororophenyl)-4-thiazolylmethyl group, 2-(2-chlororophenyl)-5-thiazolylmethyl group, 2-(3-chlororophenyl)-4-thiazolylmethyl group, 2-(2-fluorophenyl)-5-thiazolylmethyl group, 2-(4-chlororophenyl)-4-thiazolylmethyl group, 2-(4-chlororophenyl)-5-

thiazolylmethyl group or the like.

A tetrazolyl C1-6 alkyl group (which may be substituted on the tetrazole ring by a group selected from a group consisting of a halogen-substituted or
 5 unsubstituted phenyl group and a C1-6 alkyl group) includes a tetrazolyl C1-6 alkyl group (which may be substituted on the tetrazole ring by a group selected from a group consisting of a phenyl group unsubstituted or substituted by 1 to 5 halogen atoms and a C1-6 alkyl
 10 group), for example, a 5-(1H)-tetrazolylmethyl group, 2-(5-(1H)-tetrazolyl)ethyl group, 1-(5-(1H)-tetrazolyl)ethyl group, 3-(5-(1H)-tetrazolyl)propyl group, 4-(5-(1H)-tetrazolyl)butyl group, 5-(5-(1H)-tetrazolyl)pentyl group, 6-(5-(1H)-tetrazolyl)hexyl
 15 group, 2-methyl-3-(5-(1H)-tetrazolyl)propyl group, 1,1-dimethyl-2-(5-(1H)-tetrazolyl)ethyl group, 1-methyl-5-(1H)-tetrazolylmethyl group, 1-ethyl-5-(1H)-tetrazolylmethyl group, 1-propyl-5-(1H)-tetrazolylmethyl group, 1-butyl-5-(1H)-tetrazolylmethyl group, 1-
 20 pentyl-5-(1H)-tetrazolylmethyl group, 1-hexyl-5-(1H)-tetrazolylmethyl group, 1-phenyl-5-(1H)-tetrazolylmethyl group, 1-(2-fluorophenyl)-5-(1H)-tetrazolylmethyl group, 1-(3-fluorophenyl)-5-(1H)-tetrazolylmethyl group, 1-(2,3,4,5,6-pentafluorophenyl)-5-(1H)-
 25 tetrazolylmethyl group, 1-(2-chlorophenyl)-5-(1H)-tetrazolylmethyl group, 1-(3-chlorophenyl)-5-(1H)-tetrazolylmethyl group, 1-(2,4,6-trichlorophenyl)-5-(1H)-tetrazolylmethyl group, 1-(2-bromophenyl)-5-(1H)-

tetrazolylmethyl group, 1-(2,3-dibromophenyl)-5-(1H)-
 tetrazolylmethyl group, 1-(4-bromophenyl)-5-(1H)-
 tetrazolylmethyl group, 2-(1-methyl-5-(1H)-tetrazolyl)-
 ethyl group, 2-(1-ethyl-5-(1H)-tetrazolyl)ethyl group,
 5 2-(1-propopyl-5-(1H)-tetrazolyl)ethyl group, 2-(1-butyl-
 5-(1H)-tetrazolyl)ethyl group, 2-(1-pentyl-5-(1H)-
 tetrazolyl)ethyl group, 2-(1-hexyl-5-(1H)-tetrazolyl)-
 ethyl group, 2-(1-phenyl-5-(1H)-tetrazolyl)ethyl group,
 2-(1-(2-fluorophenyl)-5-(1H)-tetrazolyl)ethyl group, 2-
 10 (1-(3-fluorophenyl)-5-(1H)-tetrazolyl)ethyl group, 2-
 (1-(4-fluorophenyl)-5-(1H)-tetrazolyl)ethyl group, 2-
 (1-(2-chlorophenyl)-5-(1H)-tetrazolyl)ethyl group, 2-
 (1-(3-chlorophenyl)-5-(1H)-tetrazolyl)ethyl group, 2-
 (1-(4-chlorophenyl)-5-(1H)-tetrazolyl)ethyl group, 2-
 15 (1-(2-bromophenyl)-5-(1H)-tetrazolyl)ethyl group, 2-(1-
 (3-bromophenyl)-5-(1H)-tetrazolyl)ethyl group, 2-(1-(4-
 bromophenyl)-5-(1H)-tetrazolyl)ethyl group or the like.

A piperidine ring or a 1,2,3,6-tetrahydro-
 pyridine ring which is formed by combining R^{32} and R^{33}
 20 together with the adjacent nitrogen atom through the
 other carbon atom (the piperidine ring or a 1,2,3,6-
 tetrahydropyridine ring may have a phenyl group as a
 substituent, and the phenyl group may have at least one
 substituent selected from a group consisting of a
 25 halogen atom and a halogen-substituted or unsubstituted
 C1-6 alkyl group as a substituent) include a piperidine
 ring and a 1,2,3,6-tetrahydropyridine ring which may be
 substituted a phenyl group on the ring which may be

substituted by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a halogen atom and a halogen-substituted or unsubstituted C1-6 alkyl group as a substituent, for example, a piperidine group, 4-phenylpiperidine group, 4-(2-fluorophenyl)piperidine group, 4-(3-fluorophenyl)piperidine group, 4-(3-fluoro-4-trifluoromethylphenyl)piperidine group, 4-(3,4,5-trichlorophenyl)piperidine group, 4-(2,3,4,5,6-pentafluorophenyl)piperidine group, 4-(2,4-dimethylphenyl)piperidine group, 4-(2,4,6-trimethylphenyl)piperidine group, 4-(2-trifluoromethyl-4-methylphenyl)piperidine group, 4-(4-fluorophenyl)piperidine group, 4-(3,4-difluorophenyl)piperidine group, 4-(2-chlorophenyl)piperidine group, 4-(3-chlorophenyl)piperidine group, 4-(4-chlorophenyl)piperidine group, 4-(3,4-dichlorophenyl)piperidine group, 4-(2-methylphenyl)piperidine group, 4-(3-methylphenyl)piperidine group, 4-(4-methylphenyl)piperidine group, 4-(2-trifluoromethylphenyl)piperidine group, 4-(3-trifluoromethylphenyl)piperidine group, 4-(4-trifluoromethylphenyl)piperidine group, 4-phenyl-1,2,3,6-tetrahydropyridine group, 4-(2-fluorophenyl)-1,2,3,6-tetrahydropyridine group, 4-(3-fluorophenyl)-1,2,3,6-tetrahydropyridine group, 4-(4-fluorophenyl)-1,2,3,6-tetrahydropyridine group, 4-(3,4-difluorophenyl)-1,2,3,6-tetrahydropyridine group, 4-(2-chlorophenyl)-1,2,3,6-tetrahydropyridine group, 4-(3-chlorophenyl)-1,2,3,6-tetrahydropyridine group, 4-(4-

chlorophenyl)-1,2,3,6-tetrahydropyridine group, 4-(3,4-dichlorophenyl)-1,2,3,6-tetrahydropyridine group, 4-(2-methylphenyl)-1,2,3,6-tetrahydropyridine group, 4-(3-methylphenyl)-1,2,3,6-tetrahydropyridine group, 4-(4-methylphenyl)-1,2,3,6-tetrahydropyridine group, 4-(2-trifluoromethylphenyl)-1,2,3,6-tetrahydropyridine group, 4-(3-trifluoromethylphenyl)-1,2,3,6-tetrahydropyridine group, 4-(4-trifluoromethylphenyl)-1,2,3,6-tetrahydropyridine group, 4-(3-fluoro-4-trifluoromethylphenyl)-1,2,3,6-tetrahydropyridine group, 4-(3,4,5-trichlorophenyl)-1,2,3,6-tetrahydropyridine group, 4-(2,3,4,5,6-pentafluorophenyl)-1,2,3,6-tetrahydropyridine group, 4-(2,4-dimethylphenyl)-1,2,3,6-tetrahydropyridine group, 4-(2,4,6-trimethylphenyl)-1,2,3,6-tetrahydropyridine group, 4-(2-trifluoromethyl-4-methylphenyl)-1,2,3,6-tetrahydropyridine group or the like.

Examples of a C3-8 cycloalkenyl group include a cyclopropenyl group, cyclobutenyl group, cyclopentenyl group, cyclohexenyl group, cycloheptenyl group, cyclooctenyl group or the like.

A phenyl group (which may be substituted on the phenyl ring by 1 to 5 groups selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group, halogen-substituted or unsubstituted C1-6 alkoxy group, C1-4 alkylenedioxy group, C1-6 alkylsulfonyl group, halogen-substituted or unsubstituted C1-6 alkylthio group, nitro group and

amino group which may have a C1-6 alkanoyl group as a substituent) includes a phenyl group (which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a

5 halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group, halogen-substituted or unsubstituted C1-6 alkoxy group, C1-4 alkylenedioxy group, C1-6 alkylsulfonyl group, halogen-substituted or unsubstituted C1-6 alkylthio group, nitro group and amino group which

10 may have 1 to 2 C1-6 alkanoyl group as a substituent (in case of a C1-4 alkylenedioxy group as a substituent, 1 to 3 substituents are preferable)), for example, a phenyl group, 2-fluorophenyl group, 3-fluorophenyl group, 4-fluorophenyl group, 2-

15 chlorophenyl group, 3-chlorophenyl group, 4-chlorophenyl group, 2-bromophenyl group, 3-bromophenyl group, 4-bromophenyl group, 2-iodophenyl group, 3-iodophenyl group, 4-iodophenyl group, 2,3-

difluorophenyl group, 3,4-difluorophenyl group, 3,5-

20 difluorophenyl group, 2,4-difluorophenyl group, 2,6-difluorophenyl group, 2,3-dichlorophenyl group, 3,4-dichlorophenyl group, 3,5-dichlorophenyl group, 2,4-dichlorophenyl group, 2,6-dichlorophenyl group, 3,4,5-

trifluorophenyl group, 3,4,5-dichlorophenyl group,

25 2,4,6-trifluorophenyl group, 2,3,4,5,6-pentafluorophenyl group, 2,4,6-trichlorophenyl group, 2-methylphenyl group, 3-methylphenyl group, 4-

methylphenyl group, 2,4-dimethylphenyl group, 2,4,6-

trimethylphenyl group, 2-methyl-3-chlorophenyl group,
3-methyl-4-chlorophenyl group, 2-chloro-4-methylphenyl
group, 2-methyl-3-fluorophenyl group, 2-trifluoro-
methylphenyl group, 3-trifluoromethylphenyl group, 4-
5 trifluoromethylphenyl group, 2-pentafluoroethylphenyl
group, 3-pentafluoroethylphenyl group, 4-pentafluoro-
ethylphenyl group, 2-isopropylphenyl group, 3-
isopropylphenyl group, 4-isopropylphenyl group, 2-tert-
butylphenyl group, 3-tert-butylphenyl group, 4-tert-
10 butylphenyl group, 2-sec-butylphenyl group, 3-sec-
butylphenyl group, 4-sec-butylphenyl group, 2-n-
heptafluoropropylphenyl group, 3-n-heptafluoropropyl-
phenyl group, 4-n-heptafluoropropylphenyl group, 4-
pentylphenyl group, 4-hexylphenyl group, 2-methoxy-
15 phenyl group, 3-methoxyphenyl group, 4-methoxyphenyl
group, 2-methoxy-3-chlorophenyl group, 2-fluoro-3-
methoxyphenyl group, 2-fluoro-4-methoxyphenyl group,
2,6-dimethoxyphenyl group, 2,4,6-trimethoxyphenyl
group, 2,3,4-trifluorophenyl group, 3,4,5-trifluoro-
20 phenyl group, 2-trifluoromethoxyphenyl group, 3-
trifluoromethoxyphenyl group, 4-trifluoromethoxyphenyl
group, 2-pentafluoroethoxyphenyl group, 3-pentafluoro-
ethoxyphenyl group, 4-pentafluoroethoxyphenyl group, 2-
isopropoxyphenyl group, 3-isopropoxyphenyl group, 4-
25 isopropoxyphenyl group, 2-tert-butoxyphenyl group, 3-
tert-butoxyphenyl group, 4-tert-butoxyphenyl group, 2-
sec-butoxyphenyl group, 3-sec-butoxyphenyl group, 4-
sec-butoxyphenyl group, 2-n-heptafluoropropoxyphenyl

group, 3-n-heptafluoropropoxyphenyl group, 4-n-heptafluoropropoxyphenyl group, 4-pentoxyphenyl group, 4-hexyloxyphenyl group, 2,3-methylenedioxyphenyl group, 3,4-methylenedioxyphenyl group, 3-nitrophenyl group, 5 2,3-dinitrophenyl group, 2,4,6-trinitrophenyl group, 4-nitrophenyl group, 3-methylthiophenyl group, 4-methylthiophenyl group, 3-trifluoromethylthiophenyl group, 4-trifluoromethylthiophenyl group, 3-methanesulfonylphenyl group, 4-methanesulfonylphenyl 10 group, 2-methanesulfonylphenyl group, 2-aminophenyl, 2,4-diaminophenyl, 2,4,6-triaminophenyl, 2-acetylaminophenyl group, 3-acetylaminophenyl group, 4-acetylaminophenyl group or the like.

A benzofuryl group (which may be substituted 15 on the benzofuran ring by at least one group selected from a group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group and a halogen-substituted or unsubstituted C1-6 alkoxy group) includes a benzofuryl group (which may be substituted 20 on the benzofuran ring by 1 to 3 groups selected from a group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group and a halogen-substituted or unsubstituted C1-6 alkoxy group), for example, an unsubstituted 2-benzofuryl 25 group, 4-fluoro-2-benzofuryl group, 5-fluoro-2-benzofuryl group, 6-fluoro-2-benzofuryl group, 7-fluoro-2-benzofuryl group, 4-chloro-2-benzofuryl group, 5-chloro-2-benzofuryl group, 6-chloro-2-benzofuryl

group, 7-chloro-2-benzofuryl group, 4-bromo-2-benzofuryl group, 5-bromo-2-benzofuryl group, 6-bromo-2-benzofuryl group, 7-bromo-2-benzofuryl group, 4-methyl-2-benzofuryl group, 5-methyl-2-benzofuryl group, 5 6-methyl-2-benzofuryl group, 7-methyl-2-benzofuryl group, 4-trifluoromethyl-2-benzofuryl group, 5-trifluoromethyl-2-benzofuryl group, 6-trifluoromethyl-2-benzofuryl group, 7-trifluoromethyl-2-benzofuryl group, 4-ethyl-2-benzofuryl group, 5-ethyl-2-benzofuryl 10 group, 6-ethyl-2-benzofuryl group, 7-ethyl-2-benzofuryl group, 4-pentafluoroethyl-2-benzofuryl group, 5-pentafluoroethyl-2-benzofuryl group, 6-pentafluoroethyl-2-benzofuryl group, 7-pentafluoroethyl-2-benzofuryl group, 4-methoxy-2- 15 benzofuryl group, 5-methoxy-2-benzofuryl group, 6-methoxy-2-benzofuryl group, 7-methoxy-2-benzofuryl group, 4-trifluoromethoxy-2-benzofuryl group, 5-trifluoromethoxy-2-benzofuryl group, 6-trifluoromethoxy-2-benzofuryl group, 7-trifluoromethoxy-2- 20 benzofuryl group, 4-isopropyl-2-benzofuryl group, 5-isopropyl-2-benzofuryl group, 6-isopropyl-2-benzofuryl group, 7-isopropyl-2-benzofuryl group, 4-hexyl-2-benzofuryl group, 5-hexyl-2-benzofuryl group, 6-hexyl-2-benzofuryl group, 7-hexyl-2-benzofuryl group, 4- 25 ethoxy-2-benzofuryl group, 5-ethoxy-2-benzofuryl group, 6-ethoxy-2-benzofuryl group, 7-ethoxy-2-benzofuryl group, 4-fluoro-5-trifluoromethyl-2-benzofuryl group, 6-fluoro-5-trifluoromethyl-2-benzofuryl group, 7-

- fluoro-5-trifluoromethyl-2-benzofuryl group, 4-chloro-5-trifluoromethyl-2-benzofuryl group, 6-chloro-5-trifluoromethyl-2-benzofuryl group, 7-chloro-5-trifluoromethyl-2-benzofuryl group, 4-chloro-5-
- 5 trifluoromethoxy-2-benzofuryl group, 6-chloro-5-trifluoromethoxy-2-benzofuryl group, 7-chloro-5-trifluoromethoxy-2-benzofuryl group, 3-benzofuryl group, 4-fluoro-3-benzofuryl group, 5-fluoro-3-benzofuryl group, 6-fluoro-3-benzofuryl group, 7-
- 10 fluoro-3-benzofuryl group, 4-chloro-3-benzofuryl group, 5-chloro-3-benzofuryl group, 6-chloro-3-benzofuryl group, 7-chloro-3-benzofuryl group, 4-bromo-3-benzofuryl group, 5-bromo-3-benzofuryl group, 6-bromo-3-benzofuryl group, 7-bromo-3-benzofuryl group, 4-
- 15 methyl-3-benzofuryl group, 5-methyl-3-benzofuryl group, 6-methyl-3-benzofuryl group, 7-methyl-3-benzofuryl group, 4-trifluoromethyl-3-benzofuryl group, 5-trifluoromethyl-3-benzofuryl group, 6-trifluoromethyl-3-benzofuryl group, 7-trifluoromethyl-3-benzofuryl
- 20 group, 4-ethyl-3-benzofuryl group, 5-ethyl-3-benzofuryl group, 6-ethyl-3-benzofuryl group, 7-ethyl-3-benzofuryl group, 4-pentafluoroethyl-3-benzofuryl group, 5-pentafluoroethyl-3-benzofuryl group, 6-pentafluoroethyl-3-benzofuryl group, 7-pentafluoroethyl-3-
- 25 benzofuryl group, 4-methoxy-3-benzofuryl group, 5-methoxy-3-benzofuryl group, 6-methoxy-3-benzofuryl group, 7-methoxy-3-benzofuryl group, 4-trifluoromethoxy-3-benzofuryl group, 5-trifluoromethoxy-3-

benzofuryl group, 6-trifluoromethoxy-3-benzofuryl group, 7-trifluoromethoxy-3-benzofuryl group, 4-isopropyl-3-benzofuryl group, 5-isopropyl-3-benzofuryl group, 6-isopropyl-3-benzofuryl group, 7-isopropyl-3-benzofuryl group, 4-hexyl-3-benzofuryl group, 5-hexyl-3-benzofuryl group, 6-hexyl-3-benzofuryl group, 7-hexyl-3-benzofuryl group, 4-ethoxy-3-benzofuryl group, 5-ethoxy-3-benzofuryl group, 6-ethoxy-3-benzofuryl group, 7-ethoxy-3-benzofuryl group, 4-fluoro-5-trifluoromethyl-3-benzofuryl group, 6-fluoro-5-trifluoromethyl-3-benzofuryl group, 7-fluoro-5-trifluoromethyl-3-benzofuryl group, 4-chloro-5-trifluoromethyl-3-benzofuryl group, 6-chloro-5-trifluoromethyl-3-benzofuryl group, 7-chloro-5-trifluoromethyl-3-benzofuryl group, 4-chloro-5-trifluoromethoxy-3-benzofuryl group, 6-chloro-5-trifluoromethoxy-3-benzofuryl group, 6,7-dichloro-5-trifluoromethoxy-3-benzofuryl group, 5,6,7-trichloro-2-benzofuryl group, 7-chloro-5-trifluoromethoxy-3-benzofuryl group or the like.

A furyl group (which may be substituted on the furan ring by a phenyl group which may have a halogen atom as a substituent) includes a furyl group (which may be substituted on the furan ring by 1 to 3 phenyl groups which may have 1 to 5 halogen atoms as a substituent), for example, a 2-furyl group, 3,5-diphenyl-2-furyl group, 2,4,5-triphenyl-3-furyl group, 5-(4-chlorophenyl)-2-furyl group, 4-(4-fluorophenyl)-2-

furyl group, 4-(2,3,4,5,6-pentafluorophenyl)-2-furyl group, 3-(4-bromophenyl)-2-furyl group, 3-furyl group, 5-(2,4-dichlorophenyl)-3-furyl group, 4-(2,4,6-trichlorophenyl)-3-furyl group, 3-(4-iodophenyl)-3-furyl group or the like.

A phenyl group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom; halogen-substituted or unsubstituted C1-6 alkyl group; C3-8 cycloalkoxy group; hydroxyl group; halogen-substituted or unsubstituted C1-8 alkoxy group; C3-8 cycloalkoxy group; C1-4 alkylenedioxy group; cyano group; nitro group; phenyl C2-6 alkenyl group; C2-6 alkanoyloxy group; amino group having a C1-6 alkanoyl group as a substituent; C1-6 alkylsulfonylamino group; phenyl C1-6 alkoxy group; phenoxy group; amino group having at least one C1-6 alkyl group as a substituent; amino group which may have at least one phenyl group as a substituent; amino C1-6 alkoxy group which may have at least one C1-6 alkyl group on the amino group as a substituent; C1-6 alkoxycarbonyl group; C1-6 alkoxycarbonyl C1-6 alkoxy group; C1-6 alkylthio group; pyrrolyl group; imidazolyl group; piperidyl group; morpholino group; pyrrolidinyl group; thienyl group; benzofuryl group; piperazinyl group (which may be substituted on the piperazine ring by at least one group selected from a group consisting of a C1-6 alkyl group, phenyl C1-6 alkyl group and benzoyl group which

may have at least one C1-6 alkyl group as a substituent); quinolyl group which may be substituted on the quinoline ring by at least one group selected from a group consisting of a C1-6 alkoxy group and an

5 oxo group; a piperidylcarbonyl group which may be substituted on the piperidine ring by a carbostyryl group; and a triazolyl group) includes a phenyl group (which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group

10 consisting of a halogen atom; halogen-substituted or unsubstituted C1-6 alkyl group; C3-8 cycloalkoxy group; hydroxyl group; halogen-substituted or unsubstituted C1-8 alkoxy group; C3-8 cycloalkoxy group; C1-4 alkylenedioxy group; cyano group; nitro group; phenyl

15 C2-6 alkenyl group; C2-6 alkanoyloxy group; amino group which may have 1 to 2 C1-6 alkanoyl groups as a substituent; C1-6 alkylsulfonylamino group; phenyl C1-6 alkoxy group; phenoxy group; amino group having 1 to 2 C1-6 alkyl groups as a substituent; amino group having

20 1 to 2 phenyl groups as a substituent; amino C1-6 alkoxy group which may have 1 to 2 C1-6 alkyl groups on the amino group as a substituent; C1-6 alkoxycarbonyl group; C1-6 alkoxycarbonyl C1-6 alkoxy group; C1-6 alkylthio group; pyrrolyl group; imidazolyl group;

25 piperidinyl group; morpholino group; pyrrolidinyl group; thienyl group; benzofuryl group; piperazinyl group (which may be substituted on the piperazine ring by at least one group selected from a group consisting

of a C1-6 alkyl group, phenyl C1-6 alkyl group and benzoyl group which may have 1 to 3 C1-6 alkyl group as a substituent); quinolyl group which may be substituted on the quinoline ring by at least one group selected
5 from a group consisting of a C1-6 alkoxy group and an oxo group; a piperidylcarbonyl group which may be substituted on the piperidine ring by a carbostyryl group; and a triazolyl group (in case of a 1 to 3 C1-4 alkylenedioxy group as a substituent, 1 to 3
10 substituents are preferable)), for example, a phenyl group, 2-fluorophenyl group, 3-fluorophenyl group, 4-fluorophenyl group, 2-chlorophenyl group, 3-chlorophenyl group, 4-chlorophenyl group, 2-bromophenyl group, 3-bromophenyl group, 4-bromophenyl group, 2-
15 iodophenyl group, 3-iodophenyl group, 4-iodophenyl group, 2,3-difluorophenyl group, 3,4-difluorophenyl group, 3,5-difluorophenyl group, 2,4-difluorophenyl group, 2,6-difluorophenyl group, 2,3-dichlorophenyl group, 3,4-dichlorophenyl group, 3,5-dichlorophenyl
20 group, 2,4-dichlorophenyl group, 2,6-dichlorophenyl group, 2,3,4-trifluorophenyl group, 3,4,5-trifluorophenyl group, 3,4,5-trichlorophenyl group, 2,4,6-trifluorophenyl group, 2,3,4,5,6-pentafluorophenyl group, 2,4,6-trichlorophenyl group, 2-fluoro-4-
25 chlorophenyl group, 2-fluoro-4-bromophenyl group, 3-fluoro-4-chlorophenyl group, 2-methylphenyl group, 3-methylphenyl group, 4-methylphenyl group, 2,6-dimethylphenyl group, 2,4,6-trimethylphenyl group, 2-

methyl-3-chlorophenyl group, 3-methyl-4-chlorophenyl
 group, 2-chloro-4-methylphenyl group, 2-methyl-3-
 fluorophenyl group, 2-trifluoromethylphenyl group, 3-
 trifluoromethylphenyl group, 4-trifluoromethylphenyl
 5 group, 3,5-di(trifluoromethyl)phenyl group, 3,4-
 di(trifluoromethyl)phenyl group, 2,4-di(trifluoro-
 methyl)phenyl group, 2-pentafluoroethylphenyl group, 3-
 pentafluoroethylphenyl group, 4-pentafluoroethylphenyl
 group, 2-isopropylphenyl group, 3-isopropylphenyl
 10 group, 4-isopropylphenyl group, 2-tert-butylphenyl
 group, 3-tert-butylphenyl group, 4-tert-butylphenyl
 group, 2-sec-butylphenyl group, 3-sec-butylphenyl
 group, 4-sec-butylphenyl group, 4-n-butylphenyl group,
 4-n-pentylphenyl group, 4-n-hexylphenyl group, 2-n-
 15 heptafluoropropylphenyl group, 3-n-heptafluoropropyl-
 phenyl group, 4-n-heptafluoropropylphenyl group, 4-
 pentylphenyl group, 4-hexylphenyl group, 2-methoxy-
 phenyl group, 3-methoxyphenyl group, 4-methoxyphenyl
 group, 2-methoxy-3-chlorophenyl group, 2-fluoro-3-
 20 methoxyphenyl group, 2-fluoro-4-methoxyphenyl group, 4-
 cyclopropylphenyl group, 4-cyclobutylphenyl group, 4-
 cyclopentylphenyl group, 4-cyclohexylphenyl group, 4-
 cycloheptylphenyl group, 4-cyclooctylphenyl group, 2,6-
 dimethoxyphenyl group, 2-trifluoromethoxyphenyl group,
 25 3-trifluoromethoxyphenyl group, 4-trifluoromethoxy-
 phenyl group, 2,3-di(trifluoromethoxy)phenyl group,
 3,5-di(trifluoromethoxy)phenyl group, 2,4-di(trifluoro-
 methoxy)phenyl group, 2-pentafluoroethoxyphenyl group,

- 3-pentafluoroethoxyphenyl group, 4-pentafluoroethoxyphenyl group, 2-isopropoxyphenyl group, 3-isopropoxyphenyl group, 4-isopropoxyphenyl group, 2-tert-butoxyphenyl group, 3-tert-butoxyphenyl group, 4-tert-butoxyphenyl group, 2-sec-butoxyphenyl group, 3-sec-butoxyphenyl group, 4-sec-butoxyphenyl group, 4-n-hexyloxyphenyl group, 4-n-heptyloxyphenyl group, 4-n-octyloxyphenyl group, 2-n-heptafluoropropoxyphenyl group, 3-n-heptafluoropropoxyphenyl group, 4-n-heptafluoropropoxyphenyl group, 4-cyclopropoxyphenyl group, 4-cyclobutoxyphenyl group, 4-cyclopentoxyphenyl group, 4-cyclohexyloxyphenyl group, 4-cycloheptyloxyphenyl group, 4-cyclooctyloxyphenyl group, 4-pentoxyphenyl group, 4-hexyloxyphenyl group, 2-hydroxyphenyl group, 3-hydroxyphenyl group, 4-hydroxyphenyl group, 2,4-dihydroxyphenyl group, 2,4,6-trihydroxyphenyl group, 2-methoxy-3-chlorophenyl group, 2-fluoro-3-hydroxyphenyl group, 2-fluoro-4-hydroxyphenyl group, 2,3-methylenedioxyphenyl group, 3,4-methylenedioxyphenyl group, 2,3-ethylenedioxyphenyl group, 3,4-ethylenedioxyphenyl group, 2-cyanophenyl group, 3-cyanophenyl group, 4-cyanophenyl group, 2,3-dicyanophenyl group, 2,4,6-tricyanophenyl group, 2-nitrophenyl group, 3-nitrophenyl group, 4-nitrophenyl group, 2,4-dinitrophenyl group, 2,4,6-trinitrophenyl group, 2-cinnamylphenyl group, 3-cinnamylphenyl group, 4-cinnamylphenyl group, 2-acetyloxyphenyl group, 3-acetyloxyphenyl group, 2-aminophenyl group, 2,4-

diaminophenyl group, 2,4,6-triaminophenyl group, 4-
 acetyloxyphenyl group, 2-propionyloxyphenyl group, 3-
 propionyloxyphenyl group, 4-propionyloxyphenyl group,
 2-butyryloxyphenyl group, 3-butyryloxyphenyl group, 4-
 5 butyryloxyphenyl group, 4-pentanoyloxyphenyl group, 4-
 hexanoyloxyphenyl group, 2-acetylaminophenyl group, 3-
 acetylaminophenyl group, 4-acetylaminophenyl group, 2-
 propionylaminophenyl group, 3-propionylaminophenyl
 group, 4-propionylaminophenyl group, 2-butyrylamino-
 10 phenyl group, 3-butyrylamino-phenyl group, 4-
 butyrylamino-phenyl group, 4-pentanoylamino-phenyl group,
 4-hexanoylamino-phenyl group, 2-methanesulfonylamino-
 phenyl group, 3-methanesulfonylamino-phenyl group, 4-
 methanesulfonylamino-phenyl group, 2-benzyloxyphenyl
 15 group, 3-benzyloxyphenyl group, 4-benzyloxyphenyl
 group, 2-(2-phenylethoxy)phenyl group, 3-(2-
 phenylethoxy)phenyl group, 4-(2-phenylethoxy)phenyl
 group, 2-(3-phenylpropoxy)phenyl group, 3-(3-
 phenylpropoxy)phenyl group, 4-(3-phenylpropoxy)phenyl
 20 group, 2-(4-phenylbutoxy)phenyl group, 3-(4-
 phenylbutoxy)phenyl group, 4-(4-phenylbutoxy)phenyl
 group, 2-(5-phenylpentoxy)phenyl group, 3-(5-
 phenylpentoxy)phenyl group, 4-(5-phenylpentoxy)phenyl
 group, 2-(6-phenylhexloxy)phenyl group, 3-(6-
 25 phenylhexloxy)phenyl group, 4-(6-phenylhexloxy)phenyl
 group, 2-phenoxyphenyl group, 3-phenoxyphenyl group, 4-
 phenoxyphenyl group, 2-methylaminophenyl group, 3-
 ethylaminophenyl group, 4-propylaminophenyl group, 2-n-

butylaminophenyl group, 3-n-pentylaminophenyl group, 4-
 n-hexylaminophenyl group, 2-dimethylaminophenyl group,
 3-dimethylaminophenyl group, 4-dimethylaminophenyl
 group, 2-diethylaminophenyl group, 3-diethylaminophenyl
 5 group, 4-diethylaminophenyl group, 2-di-(n-propyl)-
 aminophenyl group, 3-di-(n-propyl)aminophenyl group, 4-
 di-(n-propyl)aminophenyl group, 3-phenylaminophenyl
 group, 2-diphenylaminophenyl group, 3-diphenylamino-
 phenyl group, 4-diphenylaminophenyl group, 2-(2-
 10 methylaminoethoxy)phenyl group, 3-ethylaminomethoxy-
 phenyl group, 2-(2-dimethylaminoethoxy)phenyl group, 3-
 (2-dimethylaminoethoxy)phenyl group, 4-(2-dimethyl-
 aminoethoxy)phenyl group, 2-(3-dimethylaminopropoxy)-
 phenyl group, 3-(3-dimethylaminopropoxy)phenyl group,
 15 4-(3-dimethylaminopropoxy)phenyl group, 4-(4-
 dimethylaminobutoxy)phenyl group, 4-(5-dimethylamino-
 pentoxy)phenyl group, 4-(6-dimethylaminohexyloxy)phenyl
 group, 2-(2-diethylaminoethoxy)phenyl group, 3-(2-
 diethylaminoethoxy)phenyl group, 4-(2-diethylamino-
 20 ethoxy)phenyl group, 2-(3-diethylaminopropoxy)phenyl
 group, 3-(3-diethylaminopropoxy)phenyl group, 4-(3-
 diethylaminopropoxy)phenyl group, 4-(4-diethylamino-
 butoxy)phenyl group, 4-(5-diethylaminopentoxy)phenyl
 group, 4-(6-diethylaminohexyloxy)phenyl group, 2-
 25 methoxycarbonylphenyl group, 3-methoxycarbonylphenyl
 group, 4-methoxycarbonylphenyl group, 2-ethoxycarbonyl-
 phenyl group, 3-ethoxycarbonylphenyl group, 4-
 ethoxycarbonylphenyl group, 4-(3-propoxycarbonyl)phenyl

group, 4-(4-butoxycarbonyl)phenyl group, 4-(5-pentoxycarbonyl)phenyl group, 4-(6-hexyloxycarbonyl)-phenyl group, 2-methoxycarbonylmethoxyphenyl group, 3-methoxycarbonylmethoxyphenyl group, 4-methoxycarbonyl-

5 methoxyphenyl group, 2-ethoxycarbonylmethoxyphenyl group, 3-ethoxycarbonylmethoxyphenyl group, 4-ethoxycarbonylmethoxyphenyl group, 4-(3-propoxycarbonyl)methoxyphenyl group, 4-(4-butoxycarbonyl)-methoxyphenyl group, 4-(5-pentoxycarbonyl)methoxyphenyl

10 group, 4-(6-hexyloxycarbonyl)methoxyphenyl group, 4-(2-methoxycarbonylethoxy)phenyl group, 4-(2-ethoxycarbonyl)ethoxyphenyl group, 4-(2-(3-propoxycarbonyl)-ethoxy)phenyl group, 4-(2-(4-butoxycarbonyl)ethoxy)-phenyl group, 4-(2-(5-pentoxycarbonyl)ethoxy)phenyl

15 group, 4-(2-(6-hexyloxycarbonyl)ethoxy)phenyl group, 4-(3-methoxycarbonylpropoxy)phenyl group, 4-(3-(2-ethoxycarbonyl)propoxy)phenyl group, 4-(3-(3-propoxycarbonyl)propoxy)phenyl group, 4-(3-(4-butoxycarbonyl)-propoxy)phenyl group, 4-(3-(5-pentoxycarbonyl)propoxy)-

20 phenyl group, 4-(3-(6-hexyloxycarbonyl)propoxy)phenyl group, 4-(4-methoxycarbonylbutoxy)phenyl group, 4-(4-(2-ethoxycarbonyl)butoxy)phenyl group, 4-(5-methoxycarbonylpentoxy)phenyl group, 4-(5-(2-ethoxycarbonyl)-pentoxy)phenyl group, 4-(6-(2-ethoxycarbonyl)hexyloxy)-

25 phenyl group, 2-methylthiophenyl group, 3-methylthiophenyl group, 4-methylthiophenyl group, 4-ethylthiophenyl group, 4-n-propylthiophenyl group, 4-isopropylthiophenyl group, 4-n-butylthiophenyl group,

4-tert-butylthiophenyl group, 4-n-pentylthiophenyl group, 4-n-hexylthiophenyl group, 2-(1-pyrrolyl)phenyl group, 3-(1-pyrrolyl)phenyl group, 4-(1-pyrrolyl)phenyl group, 2-(1-imidazolyl)phenyl group, 3-(1-imidazolyl)-
5 phenyl group, 4-(1-imidazolyl)phenyl group, 2-piperidinophenyl group, 3-piperidinophenyl group, 4-piperidinophenyl group, 4-morpholinophenyl group, 3-morpholinophenyl group, 2-morpholinophenyl group, 2-(1-pyrrolidinyl)phenyl group, 3-(1-pyrrolidinyl)phenyl
10 group, 4-(1-pyrrolidinyl)phenyl group, 2-(2-thienyl)phenyl group, 3-(2-thienyl)phenyl group, 4-(2-thienyl)phenyl group, 2-(2-benzofuryl)phenyl group, 3-(2-benzofuryl)phenyl group, 4-(2-benzofuryl)phenyl group, 2-(1-piperazinyl)phenyl group, 3-(1-piperazinyl)phenyl group, 4-(1-piperazinyl)phenyl
15 group, 2-(4-methyl-1-piperazinyl)phenyl group, 3-(4-methyl-1-piperazinyl)phenyl group, 4-(4-methyl-1-piperazinyl)phenyl group, 4-(4-ethyl-1-piperazinyl)phenyl group, 4-(4-n-propyl-1-piperazinyl)phenyl group, 4-(4-isopropyl-1-piperazinyl)phenyl group, 4-(4-n-butyl-1-piperazinyl)phenyl group, 4-(4-tert-butyl-1-piperazinyl)phenyl group, 4-(4-n-pentyl-1-piperazinyl)-
20 phenyl group, 4-(4-n-hexyl-1-piperazinyl)phenyl group, 4-(4-benzyl-1-piperazinyl)phenyl group, 4-(4-(2-phenethyl)-1-piperazinyl)phenyl group, 4-(4-(3-phenylpropyl)-1-piperazinyl)phenyl group, 4-(4-(4-phenylbutyl)-1-piperazinyl)phenyl group, 4-(4-(5-phenylpentyl)-1-piperazinyl)phenyl group, 4-(4-(6-

phenylhexyl)-1-piperazinyl)phenyl group, 4-(4-benzoyl-1-piperazinyl)phenyl group, 4-(4-(2-methylbenzoyl)-1-piperazinyl)phenyl group, 4-(4-(2,3-dimethylbenzoyl)-1-piperazinyl)phenyl group, 4-(4-(2,4,6-trimethyl-

5 benzoyl)-1-piperazinyl)phenyl group, 4-(4-(3-methylbenzoyl)-1-piperazinyl)phenyl group, 4-(4-(4-methylbenzoyl)-1-piperazinyl)phenyl group, 4-(4-(4-ethylbenzoyl)-1-piperazinyl)phenyl group, 4-(4-(4-isopropylbenzoyl)-1-piperazinyl)phenyl group, 4-(4-(4-n-butyl-

10 benzoyl)-1-piperazinyl)phenyl group, 4-(4-(4-n-pentylbenzoyl)-1-piperazinyl)phenyl group, 4-(4-(4-n-hexylbenzoyl)-1-piperazinyl)phenyl group, 3-(2-quinolyl)phenyl, 4-(4,5,6-trimethoxy-3-quinolyl)phenyl group, 4-(6-methoxy-2-quinolyl)phenyl group, 2-(5,6-

15 dimethoxy-4-quinolyl)phenyl group, 3-(2-oxo-3-quinolyl)phenyl group, 4-(2-oxo-3-quinolyl)phenyl group, 3-(5-methoxy-2-oxo-3-quinolyl)phenyl group, 4-(5-methoxy-2-oxo-3-quinolyl)phenyl group, 3-(6-methoxy-2-oxo-7-quinolyl)phenyl group, 4-(6-methoxy-2-oxo-3-

20 quinolyl)phenyl group, 3-(7-methoxy-2-oxo-6-quinolyl)-phenyl group, 4-(7-methoxy-2-oxo-8-quinolyl)phenyl group, 3-(8-methoxy-2-oxo-3-quinolyl)phenyl group, 4-(8-methoxy-2-oxo-3-quinolyl)phenyl group, 3-(5,6-diethoxy-2-oxo-4-quinolyl)phenyl group, 4-(5-ethoxy-2-

25 oxo-3-quinolyl)phenyl group, 3-(6-ethoxy-2-oxo-5-quinolyl)phenyl group, 4-(6-ethoxy-2-oxo-3-quinolyl)-phenyl group, 3-(7-ethoxy-2-oxo-3-quinolyl)phenyl group, 4-(7-ethoxy-2-oxo-3-quinolyl)phenyl group, 3-(8-

ethoxy-2-oxo-3-quinolyl)phenyl group, 4-(8-ethoxy-2-oxo-3-quinolyl)phenyl group, 3-(1-piperidinylcarbonyl)-phenyl group, 4-(4-(carbostyryl-1-yl)piperidinyl-1-carbonyl)phenyl group, 4-(1,2,4-triazol-1-yl)phenyl
 5 group or the like.

A naphthyl group which may be substituted on the naphthalene ring by a group selected from a group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkoxy group and an amino group
 10 which may have a C1-6 alkyl group as a substituent includes a naphthyl group which may be substituted on the naphthalene ring by 1 to 3 groups selected from a group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkoxy group and an
 15 amino group which may have 1 to 2 C1-6 alkyl groups as a substituent, for example, a 1-naphthylmethyl group, 2-(2-naphthyl)ethyl group, 1-(3-naphthyl)ethyl group, 3-(4-naphthyl)propyl group, 4-(5-naphthyl)butyl group, 5-(6-naphthyl)pentyl group, 6-(7-naphthyl)hexyl group,
 20 2-methyl-3-(8-naphthyl)propyl group, 1,1-dimethyl-2-(3-naphthyl)ethyl group, 2-fluoro-1-naphthyl group, 2-chloro-1-naphthyl group, 2-bromo-1-naphthyl group, 3-fluoro-1-naphthyl group, 3-chloro-1-naphthyl group, 3-bromo-1-naphthyl group, 4-fluoro-1-naphthyl group, 4-chloro-1-naphthyl group, 4-bromo-1-naphthyl group, 5-fluoro-1-naphthyl group, 5-chloro-1-naphthyl group, 5-bromo-1-naphthyl group, 6-fluoro-1-naphthyl group, 6-chloro-1-naphthyl group, 6-bromo-1-naphthyl group, 7-

fluoro-1-naphthyl group, 7-chloro-1-naphthyl group, 7-
 bromo-1-naphthyl group, 1-fluoro-2-naphthyl group, 8-
 fluoro-1-naphthyl group, 8-chloro-1-naphthyl group, 8-
 bromo-1-naphthyl group, 1-fluoro-2-naphthyl group, 1-
 5 chloro-2-naphthyl group, 1-bromo-2-naphthyl group, 3-
 fluoro-2-naphthyl group, 3-chloro-2-naphthyl group, 3-
 bromo-2-naphthyl group, 4-fluoro-2-naphthyl group, 4-
 chloro-2-naphthyl group, 4-bromo-2-naphthyl group, 4-
 dimethylamino-1-naphthyl group, 2-methoxy-1-naphthyl
 10 group, 3-methoxy-1-naphthyl group, 4-methoxy-1-naphthyl
 group, 5-methoxy-1-naphthyl group, 6-methoxy-1-naphthyl
 group, 7-methoxy-1-naphthyl group, 8-methoxy-1-naphthyl
 group, 2-trifluoromethoxy-1-naphthyl group, 3-
 trifluoromethoxy-1-naphthyl group, 4-trifluoromethoxy-
 15 1-naphthyl group, 5-trifluoromethoxy-1-naphthyl group,
 6-trifluoromethoxy-1-naphthyl group, 7-trifluoro-
 methoxy-1-naphthyl group, 8-trifluoromethoxy-1-naphthyl
 group, 3-amino-2-naphthyl group, 2-methylamino-1-
 naphthyl group, 4-ethylamino-2-naphthyl group, 5-
 20 propylamino-1-naphthyl group, 6-n-butylamino-2-naphthyl
 group, 7-n-pentylamino-1-naphthyl group, 8-hexylamino-
 2-naphthyl group, 2,3-dichloro-1-naphthyl group, 2,4,6-
 trichloro-1-naphthyl group, 2-chloro-4-trifluoro-
 methoxy-1-naphthyl group, 2-chloro-6-dimethylamino-1-
 25 naphthyl group, 2-dimethylamino-1-naphthyl group, 3-
 dimethylamino-1-naphthyl group, 4-dimethylamino-1-
 naphthyl group, 5-dimethylamino-1-naphthyl group, 6-
 dimethylamino-1-naphthyl group, 7-dimethylamino-1-

naphthyl group, 8-dimethylamino-1-naphthyl group, 1-methoxy-2-naphthyl group, 3-methoxy-2-naphthyl group, 4-methoxy-2-naphthyl group, 5-methoxy-2-naphthyl group, 6-methoxy-2-naphthyl group, 7-methoxy-2-naphthyl group, 8-methoxy-2-naphthyl group, 1-trifluoromethoxy-2-naphthyl group, 3-trifluoromethoxy-2-naphthyl group, 4-trifluoromethoxy-2-naphthyl group, 5-trifluoromethoxy-2-naphthyl group, 6-trifluoromethoxy-2-naphthyl group, 7-trifluoromethoxy-2-naphthyl group, 8-trifluoromethoxy-2-naphthyl group, 1-dimethylamino-2-naphthyl group, 3-dimethylamino-2-naphthyl group, 4-dimethylamino-2-naphthyl group, 5-dimethylamino-2-naphthyl group, 6-dimethylamino-2-naphthyl group, 7-dimethylamino-2-naphthyl group, 8-dimethylamino-2-naphthyl group or the like.

A biphenyl group (which may be substituted on the biphenyl ring by at least one group selected from a group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-9 alkyl group and a halogen-substituted or unsubstituted C1-6 alkoxy group) includes a biphenyl group (which may be substituted on the biphenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a halogen atom, a halogen-substituted or unsubstituted C1-9 alkyl group and a halogen-substituted or unsubstituted C1-6 alkoxy group), for example, a 3-biphenyl group, 4-biphenyl group, 2'-fluoro-3-biphenyl group, 3'-fluoro-3-biphenyl group, 4'-fluoro-3-biphenyl

- group, 3',4'-difluoro-3-biphenylyl group, 3',4',5'-trichloro-3-biphenylyl group, 2',3',4',5',6'-pentafluoro-4-biphenylyl group, 2'-fluoro-3',4'-ditrifluoromethyl-3-biphenylyl group, 2',4'-
- 5 ditrifluoro-3-biphenylyl group, 3',5'-fluoro-3-biphenylyl group, 2'-chloro-3-biphenylyl group, 3'-chloro-3-biphenylyl group, 4'-chloro-3-biphenylyl group, 3',4'-dichloro-3-biphenylyl group, 2',4'-dichloro-3-biphenylyl group, 3',5'-dichloro-3-
- 10 biphenylyl group, 2'-methyl-3-biphenylyl group, 3'-methyl-3-biphenylyl group, 4'-methyl-3-biphenylyl group, 3',4'-dimethyl-3-biphenylyl group, 2',4'-dimethyl-3-biphenylyl group, 3',5'-dimethyl-3-biphenylyl group, 2'-trifluoromethyl-3-biphenylyl
- 15 group, 3'-trifluoromethyl-3-biphenylyl group, 4'-trifluoromethyl-3-biphenylyl group, 3',4'-ditrifluoromethyl-3-biphenylyl group, 2',4'-ditrifluoromethyl-3-biphenylyl group, 3',5'-ditrifluoromethyl-3-biphenylyl group, 2'-methoxy-3-biphenylyl group, 3'-methoxy-3-
- 20 biphenylyl group, 4'-methoxy-3-biphenylyl group, 3',4'-dimethoxy-3-biphenylyl group, 2',4'-dimethoxy-3-biphenylyl group, 3',4',5'-trimethoxy-3-biphenylyl group, 3',5'-dimethoxy-3-biphenylyl group, 2'-trifluoromethoxy-3-biphenylyl group, 3'-trifluoro-
- 25 methoxy-3-biphenylyl group, 4'-trifluoromethoxy-3-biphenylyl group, 3',4'-ditrifluoromethoxy-3-biphenylyl group, 2',4'-ditrifluoromethoxy-3-biphenylyl group, 3',5'-ditrifluoromethoxy-3-biphenylyl group, 2'-fluoro-

4-biphenylyl group, 3'-fluoro-4-biphenylyl group, 4'-
 fluoro-4-biphenylyl group, 3',4'-difluoro-4-biphenylyl
 group, 2',4'-difluoro-4-biphenylyl group, 3',5'-
 difluoro-4-biphenylyl group, 2'-chloro-4-biphenylyl
 5 group, 3'-chloro-4-biphenylyl group, 4'-chloro-4-
 biphenylyl group, 3',4'-dichloro-4-biphenylyl group,
 2',4'-dichloro-4-biphenylyl group, 3',5'-dichloro-4-
 biphenylyl group, 2'-methyl-4-biphenylyl group, 3'-
 methyl-4-biphenylyl group, 4'-methyl-4-biphenylyl
 10 group, 4'-ethyl-4-biphenylyl group, 4'-n-propyl-4-
 biphenylyl group, 4'-n-butyl-4-biphenylyl group, 4'-n-
 pentyl-4-biphenylyl group, 4'-n-hexyl-4-biphenylyl
 group, 4'-n-heptyl-4-biphenylyl group, 4'-n-octyl-4-
 biphenylyl group, 4'-n-nonyl-4-biphenylyl group, 3',4'-
 15 dimethyl-4-biphenylyl group, 2',4'-dimethyl-4-
 biphenylyl group, 3',5'-dimethyl-4-biphenylyl group,
 3',4',5'-trimethyl-4-biphenylyl group, 2'-trifluoro-
 methyl-4-biphenylyl group, 3'-trifluoromethyl-4-
 biphenylyl group, 4'-trifluoromethyl-4-biphenylyl
 20 group, 3',4'-ditrifluoromethyl-4-biphenylyl group,
 2',4'-ditrifluoromethyl-4-biphenylyl group, 3',5'-
 ditrifluoromethyl-4-biphenylyl group, 2'-methoxy-4-
 biphenylyl group, 3'-methoxy-4-biphenylyl group, 4'-
 methoxy-4-biphenylyl group, 3',4'-dimethoxy-4-
 25 biphenylyl group, 2',4'-dimethoxy-4-biphenylyl group,
 3',4'-dimethoxy-2'-chloro-4-biphenylyl group, 3',5'-
 dimethoxy-4-biphenylyl group, 2'-trifluoromethoxy-4-
 biphenylyl group, 3'-trifluoromethoxy-4-biphenylyl

group, 4'-trifluoromethoxy-4-biphenylyl group, 3',4'-ditrifluoromethoxy-4-biphenylyl group, 2',4'-ditrifluoromethoxy-4-biphenylyl group, 3',5'-ditrifluoromethoxy-4-biphenylyl group or the like.

- 5 A benzothienyl group (which may be substituted on the benzothiophene ring by at least one group selected from a group of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group and a halogen-substituted or unsubstituted C1-6 alkoxy group)
- 10 includes a benzothienyl group (which may be substituted on the benzothiophene ring by 1 to 3 groups selected from a group of a halogen atom, a halogen-substituted or unsubstituted C1-6 alkyl group and a halogen-substituted or unsubstituted C1-6 alkoxy group), for
- 15 example, a 2-benzothienyl group, 3-benzothienyl group, 3-methyl-2-benzothienyl group, 2-methyl-3-benzothienyl group, 4-fluoro-2-benzothienyl group, 5-fluoro-2-benzothienyl group, 4,5,6-trichloro-2-benzothienyl group, 6-fluoro-2-benzothienyl group, 7-fluoro-2-
- 20 benzothienyl group, 4-chloro-2-benzothienyl group, 5-chloro-2-benzothienyl group, 6-chloro-2-benzothienyl group, 7-chloro-2-benzothienyl group, 4-bromo-2-benzothienyl group, 5-bromo-2-benzothienyl group, 6-bromo-2-benzothienyl group, 7-bromo-2-benzothienyl
- 25 group, 5-methyl-2-benzothienyl group, 6-methyl-2-benzothienyl group, 7-methyl-2-benzothienyl group, 4-trifluoromethyl-2-benzothienyl group, 5-trifluoromethyl-2-benzothienyl group, 6-trifluoromethyl-2-

benzothienyl group, 7-trifluoromethyl-2-benzothienyl
 group, 4-ethyl-2-benzothienyl group, 5-ethyl-2-
 benzothienyl group, 6-ethyl-2-benzothienyl group, 7-
 ethyl-2-benzothienyl group, 4-pentafluoroethyl-2-
 5 benzothienyl group, 5-pentafluoroethyl-2-benzothienyl
 group, 6-pentafluoroethyl-2-benzothienyl group, 7-
 pentafluoroethyl-2-benzothienyl group, 4-methoxy-2-
 benzothienyl group, 5-methoxy-2-benzothienyl group, 6-
 methoxy-2-benzothienyl group, 7-methoxy-2-benzothienyl
 10 group, 4-trifluoromethoxy-2-benzothienyl group, 5-
 trifluoromethoxy-2-benzothienyl group, 6-trifluoro-
 methoxy-2-benzothienyl group, 7-trifluoromethoxy-2-
 benzothienyl group, 4-fluoro-3-methyl-2-benzothienyl
 group, 5-fluoro-3-methyl-2-benzothienyl group, 6-
 15 fluoro-3-methyl-2-benzothienyl group, 7-fluoro-3-
 methyl-2-benzothienyl group, 4-chloro-3-methyl-2-
 benzothienyl group, 5-chloro-3-methyl-2-benzothienyl
 group, 6-chloro-3-methyl-2-benzothienyl group, 7-
 chloro-3-methyl-2-benzothienyl group, 4-bromo-3-methyl-
 20 2-benzothienyl group, 5-bromo-3-methyl-2-benzothienyl
 group, 6-bromo-3-methyl-2-benzothienyl group, 7-bromo-
 3-methyl-2-benzothienyl group, 5-methyl-3-methyl-2-
 benzothienyl group, 6-methyl-3-methyl-2-benzothienyl
 group, 7-methyl-3-methyl-2-benzothienyl group, 3,4,6-
 25 trimethyl-2-benzothienyl group, 4,5,6-trimethoxy-2-
 benzothienyl group, 4-trifluoromethyl-3-methyl-2-
 benzothienyl group, 5-trifluoromethyl-3-methyl-2-
 benzothienyl group, 6-trifluoromethyl-3-methyl-2-

- benzothienyl group, 7-trifluoromethyl-3-methyl-2-benzothienyl group, 4-ethyl-3-methyl-2-benzothienyl group, 5-ethyl-3-methyl-2-benzothienyl group, 6-ethyl-3-methyl-2-benzothienyl group, 7-ethyl-3-methyl-2-benzothienyl group, 4-pentafluoroethyl-3-methyl-2-benzothienyl group, 5-pentafluoroethyl-3-methyl-2-benzothienyl group, 6-pentafluoroethyl-3-methyl-2-benzothienyl group, 7-pentafluoroethyl-3-methyl-2-benzothienyl group, 4-methoxy-3-methyl-2-benzothienyl group, 5-methoxy-3-methyl-2-benzothienyl group, 6-methoxy-3-methyl-2-benzothienyl group, 7-methoxy-3-methyl-2-benzothienyl group, 4-trifluoromethoxy-3-methyl-2-benzothienyl group, 5-trifluoromethoxy-3-methyl-2-benzothienyl group, 6-trifluoromethoxy-3-methyl-2-benzothienyl group, 7-trifluoromethoxy-3-methyl-2-benzothienyl group, 4-isopropyl-2-benzothienyl group, 5-isopropyl-3-methyl-2-benzothienyl group, 6-isopropyl-2-benzothienyl group, 7-isopropyl-2-benzothienyl group, 4-hexyl-2-benzothienyl group, 5-hexyl-2-benzothienyl group, 6-hexyl-2-benzothienyl group, 7-hexyl-2-benzothienyl group, 4-ethoxy-2-benzothienyl group, 5-ethoxy-2-benzothienyl group, 6-ethoxy-2-benzothienyl group, 7-ethoxy-2-benzothienyl group, 4-fluoro-5-trifluoromethyl-2-benzothienyl group, 6-fluoro-5-trifluoromethyl-2-benzothienyl group, 7-fluoro-5-trifluoromethyl-2-benzothienyl group, 4-chloro-5-trifluoromethyl-2-benzothienyl group, 6-chloro-5-trifluoromethyl-2-benzothienyl group, 7-

- chloro-5-trifluoromethyl-2-benzothienyl group, 4-chloro-5-trifluoromethoxy-2-benzothienyl group, 6-chloro-5-trifluoromethoxy-2-benzothienyl group, 7-chloro-5-trifluoromethoxy-2-benzothienyl group, 4-
- 5 fluoro-3-benzothienyl group, 5-fluoro-3-benzothienyl group, 6-fluoro-3-benzothienyl group, 7-fluoro-3-benzothienyl group, 4-chloro-3-benzothienyl group, 5-chloro-3-benzothienyl group, 6-chloro-3-benzothienyl group, 7-chloro-3-benzothienyl group, 4-bromo-3-
- 10 benzothienyl group, 5-bromo-3-benzothienyl group, 6-bromo-3-benzothienyl group, 7-bromo-3-benzothienyl group, 4-fluoro-3-benzothienyl group, 5-methyl-3-benzothienyl group, 6-methyl-3-benzothienyl group, 7-
- 15 methyl-3-benzothienyl group, 4-trifluoromethyl-3-benzothienyl group, 5-trifluoromethyl-3-benzothienyl group, 6-trifluoromethyl-3-benzothienyl group, 7-trifluoromethyl-3-benzothienyl group, 4-fluoro-2-
- 20 methyl-3-benzothienyl group, 5-fluoro-2-methyl-3-benzothienyl group, 6-fluoro-2-methyl-3-benzothienyl group, 7-fluoro-2-methyl-3-benzothienyl group, 4-chloro-2-methyl-3-benzothienyl group, 5-chloro-2-
- 25 methyl-3-benzothienyl group, 6-chloro-2-methyl-3-benzothienyl group, 7-chloro-2-methyl-3-benzothienyl group, 4-bromo-2-methyl-3-benzothienyl group, 5-bromo-
- 2-methyl-3-benzothienyl group, 6-bromo-2-methyl-3-benzothienyl group, 7-bromo-2-methyl-3-benzothienyl group, 4-fluoro-2-methyl-3-benzothienyl group, 5-
- methyl-2-methyl-3-benzothienyl group, 6-methyl-2-

- methyl-3-benzothienyl group, 7-methyl-2-methyl-3-benzothienyl group, 4-trifluoromethyl-2-methyl-3-benzothienyl group, 5-trifluoromethyl-2-methyl-3-benzothienyl group, 6-trifluoromethyl-2-methyl-3-benzothienyl group, 7-trifluoromethyl-2-methyl-3-benzothienyl group, 4-ethyl-3-benzothienyl group, 5-ethyl-3-benzothienyl group, 6-ethyl-3-benzothienyl group, 7-ethyl-3-benzothienyl group, 4-pentafluoroethyl-3-benzothienyl group, 5-pentafluoroethyl-3-benzothienyl group, 6-pentafluoroethyl-3-benzothienyl group, 7-pentafluoroethyl-3-benzothienyl group, 4-methoxy-3-benzothienyl group, 5-methoxy-3-benzothienyl group, 6-methoxy-3-benzothienyl group, 7-methoxy-3-benzothienyl group, 4-trifluoromethoxy-3-benzothienyl group, 5-trifluoromethoxy-3-benzothienyl group, 6-trifluoromethoxy-3-benzothienyl group, 7-trifluoromethoxy-3-benzothienyl group, 4-isopropyl-3-benzothienyl group, 5-isopropyl-3-benzothienyl group, 6-isopropyl-3-benzothienyl group, 7-isopropyl-3-benzothienyl group, 4-hexyl-3-benzothienyl group, 5-hexyl-3-benzothienyl group, 6-hexyl-3-benzothienyl group, 7-hexyl-3-benzothienyl group, 4-ethoxy-3-benzothienyl group, 5-ethoxy-3-benzothienyl group, 6-ethoxy-3-benzothienyl group, 7-ethoxy-3-benzothienyl group, 4-fluoro-5-trifluoromethyl-3-benzothienyl group, 6-fluoro-5-trifluoromethyl-3-benzothienyl group, 7-fluoro-5-trifluoromethyl-3-benzothienyl group, 4-chloro-5-trifluoromethyl-3-benzothienyl group, 6-chloro-5-

trifluoromethyl-3-benzothienyl group, 7-chloro-5-trifluoromethyl-3-benzothienyl group, 4-chloro-5-trifluoromethoxy-3-benzothienyl group, 6-chloro-5-trifluoromethoxy-3-benzothienyl group, 7-chloro-5-
5 trifluoromethoxy-3-benzothienyl group or the like.

A pyridyl group (which may be substituted on the pyridine ring by at least one group selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group, phenyl group (which
10 may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group), furyl group and thienyl group) includes
15 a pyridyl group (which may be substituted on the pyridine ring by 1 to 3 groups selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group, phenyl group (which may be substituted on the phenyl ring by 1 to 5, preferably
20 1 to 3 groups selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group), furyl group and thienyl group), for example, an unsubstituted 2-pyridyl group, 3-pyridyl
25 group, 4-pyridyl group, 3-fluoro-2-pyridyl group, 4-fluoro-2-pyridyl group, 5-fluoro-2-pyridyl group, 6-fluoro-2-pyridyl group, 3-chloro-2-pyridyl group, 4-chloro-2-pyridyl group, 5-chloro-2-pyridyl group, 6-

chloro-2-pyridyl group, 6-chloro-4-methyl-2-pyridyl group, 3,4,5-trichloro-2-pyridyl group, 3-methyl-2-pyridyl group, 4-methyl-2-pyridyl group, 5-methyl-2-pyridyl group, 6-methyl-2-pyridyl group, 3-ethyl-2-pyridyl group, 4-ethyl-2-pyridyl group, 5-ethyl-2-pyridyl group, 6-ethyl-2-pyridyl group, 3-n-propyl-2-pyridyl group, 4-n-propyl-2-pyridyl group, 5-n-propyl-2-pyridyl group, 6-n-propyl-2-pyridyl group, 5-tert-butyl-2-pyridyl group, 4-n-pentyl-2-pyridyl group, 5-n-hexyl-2-pyridyl group, 6-n-hexyl-2-pyridyl group, 2-chloro-3-pyridyl group, 4-chloro-3-pyridyl group, 5-chloro-3-pyridyl group, 6-chloro-3-pyridyl group, 3-pyridyl group, 4-pyridyl group, 3-methyl-3-pyridyl group, 4-methyl-3-pyridyl group, 5-methyl-3-pyridyl group, 6-methyl-3-pyridyl group, 2-ethyl-3-pyridyl group, 4-ethyl-3-pyridyl group, 5-ethyl-3-pyridyl group, 6-ethyl-3-pyridyl group, 2-propyl-3-pyridyl group, 4-propyl-3-pyridyl group, 5-propyl-3-pyridyl group, 6-propyl-3-pyridyl group, 5-tert-butyl-3-pyridyl group, 4-pentyl-3-pyridyl group, 5-hexyl-3-pyridyl group, 6-hexyl-3-pyridyl group, 3-chloro-4-pyridyl group, 2-chloro-4-pyridyl group, 3-methyl-4-pyridyl group, 2-methyl-4-pyridyl group, 3-trifluoromethyl-4-pyridyl group, 3-ethyl-4-pyridyl group, 2-ethyl-4-pyridyl group, 3-propyl-4-pyridyl group, 6-n-propyl-4-pyridyl group, 5-tert-butyl-4-pyridyl group, 2-n-hexyl-4-pyridyl group, 3-phenyl-2-pyridyl group, 4-phenyl-2-pyridyl group, 5-phenyl-2-pyridyl group, 6-phenyl-2-

- pyridyl group, 2-phenyl-3-pyridyl group, 2-phenyl-4-pyridyl group, 2-phenyl-5-pyridyl group, 3-(4-fluorophenyl)-2-pyridyl group, 3-(3-fluoro-4-chlorophenyl)-2-pyridyl group, 3-(3-fluorophenyl)-2-pyridyl group, 3-(4-bromophenyl)-4-pyridyl group, 3-(3-fluorophenyl)-4-pyridyl group, 4-(2,3,4,5,6-pentafluorophenyl)-2-pyridyl group, 4-(3-fluoro-4-chlorophenyl)-2-pyridyl group, 4-(3-fluorophenyl)-2-pyridyl group, 3-(4-chlorophenyl)-2-pyridyl group, 4-(4-chlorophenyl)-2-pyridyl group, 5-(4-chlorophenyl)-2-pyridyl group, 6-(2,4,6-trichlorophenyl)-2-pyridyl group, 2-(4-chlorophenyl)-3-pyridyl group, 2-(4-chlorophenyl)-4-pyridyl group, 6-(4-chlorophenyl)-3-pyridyl group, 4-(3-fluoro-4-chlorophenyl)-2-pyridyl group, 5-(4-iodo-3-chlorophenyl)-2-pyridyl group, 6-(4-fluoro-3-chlorophenyl)-2-pyridyl group, 2-(4-fluoro-3-chlorophenyl)-3-pyridyl group, 2-(4-fluoro-3-chlorophenyl)-4-pyridyl group, 6-(4-fluoro-3-chlorophenyl)-3-pyridyl group, 5-(4-trifluoromethylphenyl)-2-pyridyl group, 6-(4-trifluoromethylphenyl)-2-pyridyl group, 2-(4-trifluoromethylphenyl)-3-pyridyl group, 2-(4-trifluoromethylphenyl)-4-pyridyl group, 6-(4-trifluoromethylphenyl)-3-pyridyl group, 5-(4-methylphenyl)-2-pyridyl group, 6-(4-methylphenyl)-2-pyridyl group, 2-(4-methylphenyl)-3-pyridyl group, 2-(4-methylphenyl)-4-pyridyl group, 6-(4-methylphenyl)-3-pyridyl group, 4-fluoro-2-(4-methoxyphenyl)-3-pyridyl group, 4-methyl-5-phenyl-3-chloro-2-pyridyl group, 5-(4-methoxyphenyl)-2-

pyridyl group, 6-(4-methoxyphenyl)-2-pyridyl group, 2-(4-methoxyphenyl)-3-pyridyl group, 2-(4-methoxyphenyl)-4-pyridyl group, 6-(4-methoxyphenyl)-3-pyridyl group, 5-(4-trifluoromethoxyphenyl)-2-pyridyl group, 6-(4-trifluoromethoxyphenyl)-2-pyridyl group, 2-(4-trifluoromethoxyphenyl)-3-pyridyl group, 2-(4-trifluoromethoxyphenyl)-4-pyridyl group, 6-(4-trifluoromethoxyphenyl)-3-pyridyl group, 5-(3-chloro-4-trifluoromethoxyphenyl)-2-pyridyl group, 6-(3-chloro-4-trifluoromethoxyphenyl)-2-pyridyl group, 2-(3-chloro-4-trifluoromethoxyphenyl)-3-pyridyl group, 2-(3-chloro-4-trifluoromethoxyphenyl)-4-pyridyl group, 6-(3-chloro-4-trifluoromethoxyphenyl)-3-pyridyl group, 5-(3-fluoro-4-trifluoromethoxyphenyl)-2-pyridyl group, 6-(3-fluoro-4-trifluoromethoxyphenyl)-2-pyridyl group, 2-(3-fluoro-4-trifluoromethoxyphenyl)-3-pyridyl group, 2-(3-fluoro-4-trifluoromethoxyphenyl)-4-pyridyl group, 6-(3-fluoro-4-trifluoromethoxyphenyl)-3-pyridyl group, 5-(3,4-dimethoxyphenyl)-2-pyridyl group, 6-(3,4-dimethoxyphenyl)-2-pyridyl group, 2-(3,4-dimethoxyphenyl)-3-pyridyl group, 2-(3,4-dimethoxyphenyl)-4-pyridyl group, 6-(3,4-dimethoxyphenyl)-3-pyridyl group, 5-(3,4-difluorophenyl)-2-pyridyl group, 6-(3,4-difluorophenyl)-2-pyridyl group, 2-(3,4-difluorophenyl)-3-pyridyl group, 2-(3,4-difluorophenyl)-4-pyridyl group, 6-(3,4-difluorophenyl)-3-pyridyl group, 5-(3,4-dichlorophenyl)-2-pyridyl group, 6-(3,4-dichlorophenyl)-2-pyridyl group, 2-(3,4-dichlorophenyl)-3-

pyridyl group, 2-(3,4-dichlorophenyl)-4-pyridyl group,
 6-(3,4-dichlorophenyl)-3-pyridyl group, 5-(2-furyl)-2-
 pyridyl group, 6-(2-furyl)-2-pyridyl group, 5-(2-
 furyl)-3-pyridyl group, 6-(2-furyl)-3-pyridyl group, 5-
 5 (3-furyl)-2-pyridyl group, 6-(3-furyl)-2-pyridyl group,
 5-(3-furyl)-3-pyridyl group, 6-(3-furyl)-3-pyridyl
 group, 5-(2-thienyl)-2-pyridyl group, 6-(2-thienyl)-2-
 pyridyl group, 5-(2-thienyl)-3-pyridyl group, 6-(2-
 thienyl)-3-pyridyl group, 5-(3-thienyl)-2-pyridyl
 10 group, 6-(3-thienyl)-2-pyridyl group, 5-(3-thienyl)-3-
 pyridyl group, 6-(3-thienyl)-3-pyridyl group or the
 like.

A furyl group (which may be substituted on
 the furan ring by 1 to 3 groups selected from a group
 15 consisting of a C1-6 alkyl group, nitro group and
 phenyl group (which may be substituted on the phenyl
 ring by at least one group selected from a group
 consisting of a halogen atom, a halogen-substituted or
 unsubstituted C1-6 alkyl group, a halogen-substituted
 20 or unsubstituted C1-6 alkoxy group and a nitro group))
 includes a furyl group (which may be substituted on the
 furan ring by 1 to 3 groups selected from a group
 consisting of a C1-6 alkyl group, nitro group and
 phenyl group (which may be substituted on the phenyl
 25 ring by 1 to 5, preferably 1 to 3 groups selected from
 a group consisting of a halogen atom, a halogen-
 substituted or unsubstituted C1-6 alkyl group, a
 halogen-substituted or unsubstituted C1-6 alkoxy group

and a nitro group)), for example, a 2-furyl group, 3-furyl group, 3-methyl-2-furyl group, 3,4-dimethyl-2-furyl group, 3,4,5-trimethyl-2-furyl group, 4-methyl-2-furyl group, 5-methyl-2-furyl group, 3-ethyl-2-furyl group, 4-ethyl-2-furyl group, 5-ethyl-2-furyl group, 3-n-propyl-2-furyl group, 4-n-propyl-2-furyl group, 5-n-propyl-2-furyl group, 3-n-butyl-2-furyl group, 4-n-butyl-2-furyl group, 5-n-butyl-2-furyl group, 3-n-pentyl-2-furyl group, 4-n-pentyl-2-furyl group, 5-n-pentyl-2-furyl group, 3-n-hexyl-2-furyl group, 4-n-hexyl-2-furyl group, 5-n-hexyl-2-furyl group, 2-methyl-3-furyl group, 4-methyl-3-furyl group, 5-methyl-3-furyl group, 2-ethyl-3-furyl group, 4-ethyl-3-furyl group, 5-ethyl-3-furyl group, 2-n-propyl-3-furyl group, 4-n-propyl-3-furyl group, 5-n-propyl-3-furyl group, 2-n-butyl-3-furyl group, 4-n-butyl-3-furyl group, 5-n-butyl-3-furyl group, 2-n-pentyl-3-furyl group, 4-n-pentyl-3-furyl group, 5-n-pentyl-3-furyl group, 2-n-hexyl-3-furyl group, 4-n-hexyl-3-furyl group, 5-n-hexyl-3-furyl group, 3-nitro-2-furyl group, 4-nitro-2-furyl group, 5-nitro-2-furyl group, 2-nitro-3-furyl group, 4-nitro-3-furyl group, 3-phenyl-2-furyl group, 4-phenyl-2-furyl group, 5-phenyl-2-furyl group, 3-phenyl-4-furyl group, 4-phenyl-3-furyl group, 3-(3-fluorophenyl)-2-furyl group, 4-(3-fluorophenyl)-2-furyl group, 5-(3-fluorophenyl)-2-furyl group, 2-(3-fluorophenyl)-3-furyl group, 3-(2-fluorophenyl)-2-furyl group, 4-(2-fluorophenyl)-2-furyl group, 5-(2-

fluorophenyl)-2-furyl group, 2-(2-fluorophenyl)-3-furyl
 group, 4-nitro-3-furyl group, 3-(4-fluorophenyl)-2-
 furyl group, 4-(4-fluorophenyl)-2-furyl group, 5-(4-
 fluorophenyl)-2-furyl group, 2-(4-fluorophenyl)-3-furyl
 5 group, 4-(4-fluorophenyl)-3-furyl group, 3-(3,4-
 difluorophenyl)-2-furyl group, 4-(2,3,4,5,6-
 pentafluorophenyl)-2-furyl group, 5-(3,4-difluoro-
 phenyl)-2-furyl group, 2-(3,4-difluorophenyl)-3-furyl
 group, 4-(3,4-difluorophenyl)-3-furyl group, 3-(4-
 10 chlorophenyl)-2-furyl group, 4-(4-chlorophenyl)-2-furyl
 group, 5-(4-chlorophenyl)-2-furyl group, 2-(4-chloro-
 phenyl)-3-furyl group, 4-(4-chlorophenyl)-3-furyl
 group, 3-(2-chlorophenyl)-2-furyl group, 4-(2-chloro-
 phenyl)-2-furyl group, 5-(2-chlorophenyl)-2-furyl
 15 group, 2-(2-chlorophenyl)-3-furyl group, 4-(2-
 chlorophenyl)-3-furyl group, 5-(2-chlorophenyl)-3-furyl
 group, 3-(3-chlorophenyl)-2-furyl group, 4-(3-
 chlorophenyl)-2-furyl group, 5-(3-chlorophenyl)-2-furyl
 group, 2-(3-chlorophenyl)-3-furyl group, 4-(3-
 20 chlorophenyl)-3-furyl group, 3-(3,4,5-trichlorophenyl)-
 2-furyl group, 4-(3,4-dichlorophenyl)-2-furyl group, 5-
 (3,4-dichlorophenyl)-2-furyl group, 2-(3,4-chloro-
 phenyl)-3-furyl group, 4-(3,4-dichlorophenyl)-3-furyl
 group, 3-(4-methylphenyl)-2-furyl group, 4-(4-methyl-
 25 phenyl)-2-furyl group, 5-(4-methylphenyl)-2-furyl
 group, 2-(4-methylphenyl)-3-furyl group, 4-(4-
 methylphenyl)-3-furyl group, 3-(4-trifluoromethyl-
 phenyl)-2-furyl group, 4-(4-trifluoromethylphenyl)-2-

furyl group, 5-(4-trifluoromethylphenyl)-2-furyl group,
 2-(4-trifluoromethylphenyl)-3-furyl group, 4-(4-
 trifluoromethylphenyl)-3-furyl group, 3-(2-trifluoro-
 methylphenyl)-2-furyl group, 4-(2-trifluoromethyl-
 5 phenyl)-2-furyl group, 5-(2-trifluoromethylphenyl)-2-
 furyl group, 2-(2-trifluoromethylphenyl)-3-furyl group,
 4-(2-trifluoromethylphenyl)-3-furyl group, 3-(3-
 trifluoromethylphenyl)-2-furyl group, 4-(3-trifluoro-
 methylphenyl)-2-furyl group, 5-(4-trifluoromethyl-
 10 phenyl)-2-furyl group, 2-(3-trifluoromethylphenyl)-3-
 furyl group, 4-(3-trifluoromethylphenyl)-3-furyl group,
 3-(2-chloro-5-trifluoromethylphenyl)-2-furyl group, 4-
 (2-chloro-5-trifluoromethylphenyl)-2-furyl group, 5-(2-
 chloro-5-trifluoromethylphenyl)-2-furyl group, 2-(2-
 15 chloro-5-trifluoromethylphenyl)-3-furyl group, 4-(2-
 chloro-5-trifluoromethylphenyl)-3-furyl group, 3-(4-
 methoxyphenyl)-2-furyl group, 4-(4-methoxyphenyl)-2-
 furyl group, 5-(4-methoxyphenyl)-2-furyl group, 3-(4-
 methoxyphenyl)-4-furyl group, 4-(4-methoxyphenyl)-3-
 20 furyl group, 3-(2-methoxyphenyl)-2-furyl group, 4-(2-
 methoxyphenyl)-2-furyl group, 5-(2-methoxyphenyl)-2-
 furyl group, 2-(2-methoxyphenyl)-3-furyl group, 4-(2-
 methoxyphenyl)-3-furyl group, 3-(2-trifluoromethoxy-
 phenyl)-2-furyl group, 4-(2-trifluoromethoxyphenyl)-2-
 25 furyl group, 5-(2-trifluoromethoxyphenyl)-2-furyl
 group, 3-(4-trifluoromethoxyphenyl)-2-furyl group, 4-
 (4-trifluoromethoxyphenyl)-2-furyl group, 5-(4-
 trifluoromethoxyphenyl)-2-furyl group, 2-(4-trifluoro-

methoxyphenyl)-3-furyl group, 4-(4-trifluoromethoxyphenyl)-3-furyl group, 3-(3,4-dimethoxyphenyl)-2-furyl group, 4-(3,4-dimethoxyphenyl)-2-furyl group, 5-(3,4-dimethoxyphenyl)-2-furyl group, 3-(3,4-dimethoxyphenyl)-3-furyl group, 4-(3,4-dimethoxyphenyl)-3-furyl group, 3-(4-nitrophenyl)-2-furyl group, 4-(4-nitrophenyl)-2-furyl group, 5-(4-nitrophenyl)-2-furyl group, 2-(4-nitrophenyl)-3-furyl group, 4-(4-nitrophenyl)-3-furyl group, 3-(3-nitrophenyl)-2-furyl group, 4-(3-nitrophenyl)-2-furyl group, 5-(3-nitrophenyl)-2-furyl group, 2-(3-nitrophenyl)-3-furyl group, 4-(3-nitrophenyl)-3-furyl group, 4-methyl-5-nitro-2-furyl group, 4-phenyl-3,5-dimethyl-2-furyl group or the like.

15 A benzothiazole group (which may have on the benzothiazole ring at least one phenyl group which may have a C1-6 alkoxy group as a substituent on the phenyl ring) includes a benzothiazole group (which may have on the benzothiazole ring 1 to 3 phenyl groups which may
20 have 1 to 3 C1-6 alkoxy groups as a substituent on the phenyl ring), for example, a benzothiazol-2-yl group, benzothiazol-4-yl group, benzothiazol-5-yl group, benzothiazol-6-yl group, benzothiazol-7-yl group, 2-phenylbenzothiazol-4-yl group, 2,5-diphenylbenzothiazol-4-yl group, 4,5,6-triphenylbenzothiazol-2-yl
25 group, 2-phenylbenzothiazol-5-yl group, 2-phenylbenzothiazol-6-yl group, 2-phenylbenzothiazol-7-yl group, 2-(3-ethoxyphenyl)benzothiazol-7-yl group, 2-(4-propoxy-

phenyl)benzothiazol-4-yl group, 2-(4-n-butoxyphenyl)-
 benzothiazol-5-yl group, 2-(4-n-hexyloxyphenyl)-
 benzothiazol-6-yl group, 2-(4-n-pentyloxyphenyl)-
 benzothiazol-7-yl group, 4-phenylbenzothiazol-2-yl
 5 group, 5-phenylbenzothiazol-2-yl group, 6-phenyl-
 benzothiazol-2-yl group, 7-phenylbenzothiazol-2-yl
 group, 4-(3,4-dimethoxyphenyl)benzothiazol-2-yl group,
 5-(3,4,5-trimethoxyphenyl)benzothiazol-2-yl group, 7-
 (3-methoxyphenyl)benzothiazol-2-yl group, 4-(4-
 10 methoxyphenyl)benzothiazol-2-yl group, 5-(4-methoxy-
 phenyl)benzothiazol-2-yl group, 6-(4-methoxyphenyl)-
 benzothiazol-2-yl group, 7-(4-methoxyphenyl)-
 benzothiazol-2-yl group or the like.

A thienyl group (which may have on the
 15 thiophene ring at least one group selected from a group
 consisting of a halogen atom, nitro group, C1-6 alkyl
 group, pyrazolyl group which may be substituted on the
 pyrazole ring by at least one halogen-substituted or
 unsubstituted C1-6 alkyl group as a substituent and
 20 thienyl group which may have a halogen atom on the
 thiophene ring) includes a thienyl group (which may
 have on the thiophene ring 1 to 3 groups selected from
 a group consisting of a halogen atom, nitro group, C1-6
 alkyl group, pyrazolyl group which may be substituted
 25 on the pyrazole ring by 1 to 3 halogen-substituted or
 unsubstituted C1-6 alkyl groups as a substituent and
 thienyl group which may have 1 to 3 halogen atoms on
 the thiophene ring), for example, a 2-thienyl group, 3-

fluoro-2-thienyl group, 4-fluoro-2-thienyl group, 5-
 fluoro-2-thienyl group, 3-chloro-2-thienyl group, 4-
 chloro-2-thienyl group, 5-chloro-2-thienyl group, 3-
 bromo-2-thienyl group, 4-bromo-2-thienyl group, 5-
 5 bromo-2-thienyl group, 3-thienyl group, 2-fluoro-3-
 thienyl group, 4-fluoro-3-thienyl group, 5-fluoro-3-
 thienyl group, 2-chloro-3-thienyl group, 4-chloro-3-
 thienyl group, 5-chloro-3-thienyl group, 2-bromo-3-
 thienyl group, 4-bromo-3-thienyl group, 5-bromo-3-
 10 thienyl group, 3-nitro-2-thienyl group, 4-nitro-2-
 thienyl group, 5-nitro-2-thienyl group, 2-nitro-3-
 thienyl group, 4-nitro-3-thienyl group, 5-nitro-3-
 thienyl group, 3-methyl-2-thienyl group, 4-methyl-2-
 thienyl group, 5-methyl-2-thienyl group, 5-ethyl-2-
 15 thienyl group, 2-methyl-3-thienyl group, 4-methyl-3-
 thienyl group, 5-methyl-3-thienyl group, 2,5-dimethyl-
 3-thienyl group, 2,4,5-trimethyl-3-thienyl group, 2,4-
 dimethyl-3-thienyl group, 3-(pyrazol-1-yl)-2-thienyl
 group, 4-(pyrazol-1-yl)-2-thienyl group, 5-(pyrazol-1-
 20 yl)-2-thienyl group, 2-(pyrazol-1-yl)-3-thienyl group,
 4-(pyrazol-1-yl)-3-thienyl group, 5-(pyrazol-1-yl)-3-
 thienyl group, 3-(3-trifluoromethylpyrazol-1-yl)-2-
 thienyl group, 4-(3-trifluoromethylpyrazol-1-yl)-2-
 thienyl group, 5-(1-methyl-3-trifluoromethylpyrazol-5-
 25 yl)-2-thienyl group, 2-(1,4,5-trimethylpyrazol-3-yl)-3-
 thienyl group, 4-(1,5-dimethylpyrazol-3-yl)-3-thienyl
 group, 5-(1-methyl-pyrazol-3-yl)-3-thienyl group, 5-(1-
 n-pentyl-pyrazol-5-yl)-2-thienyl group, 5-(1-n-hexyl-

pyrazol-5-yl)-2-thienyl group, 3-(5-trifluoromethyl-
 pyrazol-1-yl)-2-thienyl group, 4-(5-n-propyl-pyrazol-1-
 yl)-2-thienyl group, 5-(5-n-butyl-pyrazol-1-yl)-2-
 thienyl group, 2-(5-trifluoromethylpyrazol-1-yl)-3-
 5 thienyl group, 4-(5-ethyl-pyrazol-1-yl)-3-thienyl
 group, 5-(5-trifluoromethylpyrazol-1-yl)-3-thienyl
 group, 3-(2-thienyl)-2-thienyl group, 4-(2-thienyl)-2-
 thienyl group, 3-chloro-4-(2-thienyl)-2-thienyl group,
 5-(2-thienyl)-2-thienyl group, 2-(2-thienyl)-3-thienyl
 10 group, 4-(2-thienyl)-3-thienyl group, 5-(2-thienyl)-3-
 thienyl group, 3-(5-chloro-2-thienyl)-2-thienyl group,
 4-(5-bromo-2-thienyl)-2-thienyl group, 5-(5-chloro-2-
 thienyl)-2-thienyl group, 2-(5-chloro-2-thienyl)-3-
 thienyl group, 4-(5-chloro-2-thienyl)-3-thienyl group,
 15 5-(5-chloro-2-thienyl)-3-thienyl group, 3-(4-chloro-2-
 thienyl)-2-thienyl group, 4-(3,4-dichloro-2-thienyl)-2-
 thienyl group, 5-(3,4,5-trichloro-2-thienyl)-2-thienyl
 group, 2-(4-bromo-2-thienyl)-3-thienyl group, 4-(4-
 chloro-2-thienyl)-3-thienyl group, 5-(4-bromo-2-
 20 thienyl)-3-thienyl group or the like.

An indolyl group (which may be substituted on
 the indole ring by at least one group selected from a
 group consisting of a phenylsulfonyl group which may
 have a C1-6 alkyl group as a substituent, phenyl C1-6
 25 alkyl group, C1-6 alkoxy carbonyl group and phenyl
 group) includes an indolyl group (which may be
 substituted on the indole ring by 1 to 3 groups
 selected from a group consisting of a phenylsulfonyl

group which may have 1 to 3 C1-6 alkyl groups as a substituent, phenyl C1-6 alkyl group, C1-6 alkoxy-carbonyl group and phenyl group), for example, an indol-1-yl, indol-2-yl, indol-3-yl, indol-4-yl, indol-5-yl, indol-6-yl, indol-7-yl, 1-(benzenesulfonyl)indol-3-yl group, 1-(4-methylbenzenesulfonyl)indol-3-yl group, 1-(3,4-dimethylbenzenesulfonyl)indol-3-yl group, 1-(3,4,6-trimethylbenzenesulfonyl)indol-3-yl group, 1-benzylindol-3-yl group, 1-(2-phenethyl)indol-3-yl group, 1-(1-phenethyl)indol-3-yl group, 1-(3-phenylpropyl)indol-3-yl group, 1-(4-phenylbutyl)indol-3-yl group, 1-(5-phenylpentyl)indol-3-yl group, 1-(6-phenylhexyl)indol-3-yl group, 6-methoxycarbonylindol-3-yl group, 6-ethoxycarbonylindol-3-yl group, 6-n-propoxycarbonylindol-3-yl group, 6-n-butoxycarbonylindol-3-yl group, 6-n-pentyloxycarbonylindol-3-yl group, 6-n-hexyloxycarbonylindol-3-yl group, 2-phenylindol-3-yl group, 1-benzyl-6-phenyl-6-methoxycarbonylindol-3-yl group, 1-benzyl-6-methoxycarbonylindol-3-yl group, 2-phenyl-1-(4-methylbenzenesulfonyl)indol-3-yl group or the like.

A pyrrolyl group (which may be substituted on the pyrrole ring by at least one group selected from a group consisting of a phenyl group which may be substituted by at least one halogen-substituted or unsubstituted C1-6 alkyl group and C1-6 alkyl group) includes a pyrrolyl group (which may be substituted on the pyrrole ring by 1 to 3 groups selected from a group

consisting of a phenyl group which may be substituted by 1 to 3 halogen-substituted or unsubstituted C1-6 alkyl groups and C1-6 alkyl group), for example, a 2-pyrrolyl group, 1-methyl-2-pyrrolyl group, 1-ethyl-2-pyrrolyl group, 1-n-propyl-2-pyrrolyl group, 1-n-butyl-2-pyrrolyl group, 1-n-pentyl-2-pyrrolyl group, 1-n-hexyl-2-pyrrolyl group, 3-pyrrolyl group, 1-methyl-3-pyrrolyl group, 1-ethyl-3-pyrrolyl group, 1-n-propyl-3-pyrrolyl group, 1-n-butyl-3-pyrrolyl group, 1-n-pentyl-3-pyrrolyl group, 1-n-hexyl-3-pyrrolyl group, 2,5-dimethyl-3-pyrrolyl group, 1-(3-methylphenyl)-2,5-dimethyl-3-pyrrolyl group, 1-(4-methylphenyl)-2,5-dimethyl-3-pyrrolyl group, 1-(3-trifluoromethylphenyl)-2,5-dimethyl-3-pyrrolyl group, 1-(4-trifluoromethylphenyl)-2,5-dimethyl-3-pyrrolyl group, 1-(2,3-dimethylphenyl)-3-pyrrolyl group, 1-(4-methylphenyl)-3-pyrrolyl group, 1-(3-trifluoromethylphenyl)-3-pyrrolyl group, 1-(4-trifluoromethylphenyl)-3-pyrrolyl group, 1-(3-methylphenyl)-3,5-dimethyl-2-pyrrolyl group, 1-(4-methylphenyl)-3,5-dimethyl-2-pyrrolyl group, 1-(3-trifluoromethylphenyl)-3,5-dimethyl-2-pyrrolyl group, 1-(4-trifluoromethylphenyl)-3,5-dimethyl-2-pyrrolyl group, 1-(3-methylphenyl)-2-pyrrolyl group, 1-(2,4,6-trimethylphenyl)-2-pyrrolyl group, 1-(3,5-ditrifluoromethylphenyl)-2-pyrrolyl group, 1-(4-trifluoromethylphenyl)-2-pyrrolyl group or the like.

A coumaryl group includes a 4-coumaryl group, 5-coumaryl group, 6-coumaryl group, 7-coumaryl group or

8-coumaryl group.

Examples of a benzimidazolyl group (which may be substituted on the benzimidazole ring by at least one thienyl group as a substituent) include a 2-
5 benzimidazolyl group, 4-benzimidazolyl group, 5-benzimidazolyl group, 6-benzimidazolyl group, 2-(2-thienyl)-4-benzimidazolyl group, 2-(2-thienyl)-5-benzimidazolyl group, 2-(2-thienyl)-6-benzimidazolyl group, 2-(2-thienyl)-7-benzimidazolyl group, 2-(3-
10 thienyl)-4-benzimidazolyl group, 2-(3-thienyl)-5-benzimidazolyl group, 2-(3-thienyl)-6-benzimidazolyl group, 2-(3-thienyl)-7-benzimidazolyl group or the like.

An oxazolyl group (which may be substituted
15 on the oxazole ring by at least one phenyl group, as a substituent, which may have a halogen atom) includes an oxazolyl group (which may be substituted on the oxazole ring by 1 to 2 phenyl groups, as a substituent, which may have 1 to 5 halogen atoms), for example, a 2-
20 oxazolyl group, 4-oxazolyl group, 5-oxazolyl group, 2-phenyl-4-oxazolyl group, 2-(4-fluorophenyl)-4-oxazolyl group, 2,4-di(4-chlorophenyl)-5-oxazolyl group, 2-(4-chlorophenyl)-4-oxazolyl group, 2-(4-bromophenyl)-4-oxazolyl group, 2-(4-iodophenyl)-4-oxazolyl group, 2-
25 (4-fluorophenyl)-5-oxazolyl group, 2-(4-chlorophenyl)-5-oxazolyl group, 2-(4-bromophenyl)-5-oxazolyl group, 2-(4-iodophenyl)-5-oxazolyl group, 2-(4-fluorophenyl)-4-oxazolyl group, 2-(3,4-chlorophenyl)-4-oxazolyl

group, 2-(4-bromophenyl)-5-oxazolyl group, 2-(4-iodophenyl)-5-oxazolyl group, 2-(2,3,4,5,6-pentafluorophenyl)-4-oxazolyl group, 2-(2,4,6-trichlorophenyl)-4-oxazolyl group, 2-(4-bromophenyl)-5-oxazolyl group, 2-
 5 (4-iodophenyl)-5-oxazolyl group or the like.

A thiazolyl group (which may be substituted on the thiazole ring by at least one phenyl group which may be substituted by at least one group selected from a group consisting of a halogen atom, nitro group and
 10 phenyl group) includes a thiazolyl group (which may be substituted on the thiazole ring by 1 to 2 phenyl groups which may be substituted by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a halogen atom, nitro group and phenyl group), for
 15 example, a 2-thiazolyl group, 4-thiazolyl group, 5-thiazolyl group, 2-phenyl-4-thiazolyl group, 2-phenyl-5-thiazolyl group, 2,4-diphenyl-5-thiazolyl group, 2,5-diphenyl-4-thiazolyl group, 2-(4-chlorophenyl)-4-thiazolyl group, 2-(4-fluorophenyl)-5-thiazolyl group,
 20 2-(2,3,4,5,6-pentafluorophenyl)-4-thiazolyl group, 2-(4-bromophenyl)-4-thiazolyl group, 2-(3,4-dichlorophenyl)-4-thiazolyl group, 2-(3,4-dichlorophenyl)-5-thiazolyl group, 2-(3,4-difluorophenyl)-5-thiazolyl group, 2-(2,4,6-trichlorophenyl)-4-thiazolyl group, 2-
 25 (3-chloro-4-nitrophenyl)-4-thiazolyl group, 2-(4-phenyl-3-bromophenyl)-4-thiazolyl group, 2-(4-nitrophenyl)-4-thiazolyl group, 2-(4-nitrophenyl)-5-thiazolyl group, 2-(2,4,6-trinitrophenyl)-5-thiazolyl

group, 2-(2,4-dinitrophenyl)-4-thiazolyl group, 2-(4-biphenylyl)-4-thiazolyl group, 2-(4-biphenylyl)-5-thiazolyl group, 4-(4-biphenylyl)-2-thiazolyl group, 2-(4-biphenylyl)-4-thiazolyl group or the like.

5 Examples of a quinolyl group include 2-quinolyl group, 3-quinolyl group, 4-quinolyl group, 5-quinolyl group, 6-quinolyl group, 7-quinolyl group or 8-quinolyl group.

 Examples of a 3,4-dihydrocarbostyryl group
10 (which may be substituted on the 3,4-dihydrocarbostyryl ring by at least one group selected from a group consisting of a C1-6 alkoxy group, C1-6 alkyl group, and phenyl C1-6 alkoxy group) or carbostyryl group (which may be substituted on the carbostyryl ring by at
15 least one group selected from a group consisting of a C1-6 alkoxy group, C1-6 alkyl group, and phenyl C1-6 alkoxy group) include a 3,4-dihydrocarbostyryl group (which may be substituted on the 3,4-dihydrocarbostyryl ring by 1 to 3 groups selected from a group consisting
20 of a C1-6 alkoxy group, C1-6 alkyl group, and phenyl C1-6 alkoxy group) or carbostyryl group (which may be substituted on the carbostyryl ring by 1 to 3 groups selected from a group consisting of a C1-6 alkoxy group, C1-6 alkyl group, and phenyl C1-6 alkoxy group),
25 for example, a 3,4-dihydrocarbostyryl-1-yl group, 3,4-dihydrocarbostyryl-3-yl group, 3,4-dihydrocarbostyryl-4-yl group, 3,4-dihydrocarbostyryl-5-yl group, 3,4-dihydrocarbostyryl-6-yl group, 3,4-dihydrocarbostyryl-

7-yl group, 3,4-dihydrocarbostyryl-8-yl group, carbostyryl-1-yl group, carbostyryl-3-yl group, carbostyryl-4-yl group, carbostyryl-5-yl group, carbostyryl-6-yl group, carbostyryl-7-yl group, 5 carbostyryl-8-yl group, 6-methoxy-3,4-dihydrocarbostyryl-5-yl group, 7-methoxy-3,4-dihydrocarbostyryl-5-yl group, 8-methoxy-3,4-dihydrocarbostyryl-5-yl group, 8-methoxy-1-methyl-3,4-dihydrocarbostyryl-5-yl group, 8-benzyloxy-3,4-dihydrocarbostyryl-5-yl group, 8-10 methoxycarbostyryl-5-yl group, 8-methoxy-1-methylcarbostyryl-5-yl group, 8-benzyloxycarbostyryl-5-yl group, 8-methoxy-3,4-dihydrocarbostyryl-6-yl group, 6-methyl-3,4-dihydrocarbostyryl-5-yl group, 6,7-dimethyl-3,4-dihydrocarbostyryl-5-yl group, 1,5,6-trimethyl-3,4-15 dihydrocarbostyryl-7-yl group, 6-methylcarbostyryl-5-yl group, 6,7-dimethylcarbostyryl-5-yl group, 1,5,6-trimethylcarbostyryl-7-yl group, 8-methoxy-1-methyl-3,4-dihydrocarbostyryl-6-yl group, 8-benzyloxy-3,4-dihydrocarbostyryl-6-yl group, 8-methoxycarbostyryl-6-20 yl group, 8-methoxy-1-methylcarbostyryl-6-yl group, 8-benzyloxy-carbostyryl-6-yl group, 8-methoxy-3,4-dihydrocarbostyryl-7-yl group, 8-methoxy-1-methyl-3,4-dihydrocarbostyryl-7-yl group, 8-benzyloxy-3,4-dihydrocarbostyryl-7-yl group, 8-ethoxycarbostyryl-7-yl25 group, 8-methoxy-1-propyl-carbostyryl-7-yl group, 8-(2-phenylethoxy)carbostyryl-7-yl group or the like.

Examples of an imidazo[2,1-b]thiazolyl group include such as a 6-imidazo[2,1-b]thiazolyl group, 5-

imidazo[2,1-b]thiazolyl group, 3-imidazo[2,1-b]thiazolyl group and 2-imidazo[2,1-b]thiazolyl group or the like.

Examples of an imidazo[2,1-a]pyridyl group
5 include a 2-imidazo[2,1-a]pyridyl group, 3-imidazo[2,1-a]pyridyl group, 5-imidazo[2,1-a]pyridyl group, 6-imidazo[2,1-a]pyridyl group, 7-imidazo[2,1-a]pyridyl group or the like.

A chromanyl group (which may be substituted
10 on the chroman ring by at least one C1-6 alkyl group) includes a chromanyl group (which may be substituted on the chroman ring by 1 to 3 C1-6 alkyl groups), for example, a 2-methyl-5-chromanyl group, 2,2-dimethyl-5-chromanyl group, 2-methyl-6-chromanyl group, 2-ethyl-6-
15 chromanyl group, 2-n-propyl-6-chromanyl group, 2-n-butyl-6-chromanyl group, 2-n-pentyl-6-chromanyl group, 2-n-hexyl-6-chromanyl group, 2,2-dimethyl-6-chromanyl group, 2,2-diethyl-6-chromanyl group, 2-methyl-7-chromanyl group, 2,2-dimethyl-7-chromanyl group, 2,2,4-
20 trimethyl-6-chromanyl group, 2-methyl-8-chromanyl group, 2,2-dimethyl-8-chromanyl group or the like.

Examples of a 2,3-dihydrobenzofuryl group
include a 2,3-dihydro-4-benzofuryl group, 2,3-dihydro-5-benzofuryl group, 2,3-dihydro-6-benzofuryl group,
25 2,3-dihydro-7-benzofuryl group or the like.

An amino-substituted C1-6 alkyl group (which may have at least one group selected from a group consisting of a phenyl group (which may be substituted

on the phenyl ring by at least one group selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group) and C1-6 alkyl group as a substituent) includes an amino-substituted C1-6 alkyl group (which may have 1 to 2 groups selected from a group consisting of a phenyl group (which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group) and C1-6 alkyl group as a substituent), for example, an aminomethyl group, 2-aminoethyl group, 1-aminoethyl group, 3-aminopropyl group, 4-aminobutyl group, 5-aminopentyl group, 6-aminohexyl group, 2-methyl-3-aminopropyl group, 1,1-dimethyl-2-aminoethyl group, 2-(methylamino)ethyl group, 3-(methylamino)propyl group, 4-(methylamino)butyl group, 5-(methylamino)pentyl group, 6-(methylamino)hexyl group, dimethylaminomethyl group, 2-(diethylamino)ethyl group, 3-(di-n-propylamino)propyl group, 4-(di-n-butylamino)butyl group, 5-(di-n-pentylamino)pentyl group, 2-(di-n-hexylamino)hexyl group, anilinomethyl group, 2-(N-methylanilino)ethyl group, 3-(N-methylanilino)propyl group, 4-anilinobutyl group, 2-(N-methyl-4-chloroanilino)ethyl group, 3-(N-methyl-4-chloroanilino)propyl group, 4-(N-methyl-4-

chloroanilino)butyl group, 2-(N-methyl-4-fluoro-anilino)ethyl group, 3-(N-methyl-2,3,4,5,6-pentafluoroanilino)propyl group, 2-(3-fluoroanilino)-ethyl group, 3-(N-methyl-3-fluoroanilino)propyl group,

5 4-(3-fluoroanilino)butyl group, 2-(N-methyl-2-fluoroanilino)ethyl group, 3-(2-fluoro-anilino)propyl group, 4-(N-methyl-2-fluoroanilino)butyl group, 2-(N-methyl-2-chloroanilino)ethyl group, 3-(N-methyl-2-chloroanilino)propyl group, 4-(N-methyl-2-chloro-

10 anilino)butyl group, 2-(N-methyl-2,3-dichloroanilino)-ethyl group, 3-(N-methyl-2,4,6-trichloroanilino)propyl group, 4-(N-methyl-3-chloroanilino)butyl group, 2-(N-methyl-4-trifluoromethylanilino)ethyl group, 2-(4-methylanilino)ethyl group, 2-(N-ethyl-3,5-ditrifluoro-

15 methylanilino)ethyl group, 2-(N-methyl-3,5-ditrifluoromethylanilino)ethyl group, 2-(N-methyl-2,4-dimethylanilino)ethyl group, 2-(N-methyl-3,5-dimethoxyanilino)ethyl group, 2-(2,4,6-trimethyl-anilino)ethyl group, 2-(3,4,5-trimethoxyanilino)ethyl

20 group, 3-(N-methyl-4-trifluoromethylanilino)propyl group, 4-(N-methyl-4-trifluoromethylanilino)butyl group, 2-(N-methyl-3-trifluoromethylanilino)ethyl group, 3-(N-methyl-3-trifluoromethylanilino)propyl group, 2-(N-methyl-2-trifluoromethylanilino)ethyl

25 group, 3-(N-methyl-2-trifluoromethylanilino)propyl group, 4-(N-methyl-2-trifluoromethylanilino)butyl group, 2-(N-methyl-4-trifluoromethoxyanilino)ethyl group, 3-(N-methyl-4-trifluoromethoxyanilino)propyl

group, 4-(4-trifluoromethoxyanilino)butyl group, 2-(N-methyl-3-trifluoromethoxyanilino)ethyl group, 3-(N-methyl-3-trifluoromethoxyanilino)propyl group, 4-(N-methyl-3-trifluoromethoxyanilino)butyl group, 2-(N-methyl-2-trifluoromethoxyanilino)ethyl group, 3-(N-methyl-2-trifluoromethoxyanilino)propyl group, 4-(N-methyl-2-trifluoromethoxyanilino)butyl group, 2-(N-methyl-4-methoxyanilino)ethyl group, 3-(N-methyl-4-methoxyanilino)propyl group, 4-(N-methyl-4-methoxyanilino)butyl group, 2-(N-methyl-3-methoxyanilino)ethyl group, 3-(N-methyl-3-methoxyanilino)propyl group, 4-(3-methoxyanilino)butyl group, 2-(2-methoxyanilino)ethyl group, 3-(N-methyl-2-methoxyanilino)propyl group, 4-(N-methyl-2-methoxyanilino)butyl group or the like.

Examples of a 1,4-dioxazaspiro[4,5]decyl group (which may be substituted on the 1,4-dioxazaspiro[4,5]decane ring by at least one oxo group as a substituent) include a 1,4-dioxo-8-azaspiro[4,5]dec-8-yl group, 7-oxo-1,4-dioxo-8-azaspiro[4,5]dec-8-yl group, 6-oxo-1,4-dioxo-8-azaspiro[4,5]dec-8-yl group or the like.

A homopiperazinyl group (which may be substituted on the homopiperazine ring by at least one group selected from a group consisting of a C1-6 alkoxy carbonyl group, phenyl C1-6 alkoxy carbonyl group and phenyl-substituted or unsubstituted phenyl group) includes a homopiperazinyl group (which may be substituted on the homopiperazine ring by 1 to 3 groups

selected from a group consisting of a C1-6 alkoxy-carbonyl group, phenyl C1-6 alkoxy-carbonyl group and phenyl-substituted or unsubstituted phenyl group), for example, a 1-homopiperazinyl group, 2-homopiperazinyl

5 group, 3-homopiperazinyl group, 4-homopiperazinyl group, 5-homopiperazinyl group, 6-homopiperazinyl group, 7-homopiperazinyl group, 4-methoxycarbonyl-1-homopiperazinyl group, 4-ethoxycarbonyl-1-homopiperazinyl group, 4-n-propoxycarbonyl-1-homopiperazinyl group, 4-tert-butoxycarbonyl-1-homopiperazinyl group, 4-n-pentyloxycarbonyl-1-homopiperazinyl group, 4-n-hexyloxycarbonyl-1-homopiperazinyl group, 4-benzyloxyoxycarbonyl-1-homopiperazinyl group, 4-(2-phenylethoxycarbonyl)-1-homopiperazinyl group, 4-(3-phenylpropoxycarbonyl)-1-homopiperazinyl group, 4-(4-phenylbutoxycarbonyl)-1-homopiperazinyl group, 4-(5-phenylpentyloxycarbonyl)-1-homopiperazinyl group, 4-(6-phenylhexyloxycarbonyl)-1-homopiperazinyl group, 4-(4-biphenyl)-1-homopiperazinyl group, 3,4-diphenyl-1-homopiperazinyl group, 3,4,5-triphenyl-1-homopiperazinyl group, 3-phenyl-4-methoxycarbonyl-1-homopiperazinyl group or the like.

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A piperazinyl group (which may be substituted on the piperazine ring by at least one group selected from a group consisting of an oxo group, C1-6 alkyl group and phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by at least one halogen-

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substituted or unsubstituted C1-6 alkyl group)) includes a piperazinyl group (which may be substituted on the piperazine ring by 1 to 3 groups selected from a group consisting of an oxo group, C1-6 alkyl group and phenyl

5 C1-6 alkyl group (which may be substituted on the phenyl ring by 1 to 3 halogen-substituted or unsubstituted C1-6 alkyl groups)), for example, a piperazin-1-yl group, piperazin-2-yl group, piperazin-3-yl group, piperazin-4-yl group, 1-methyl-piperazin-4-

10 yl group, 1-benzyl-piperazin-4-yl group, 1,2-dimethyl-piperazin-4-yl group, 1-benzyl-2,6-dimethyl-piperazin-4-yl group, 1-ethyl-2-oxopiperazin-4-yl group, 1-n-propyl-2-oxopiperazin-4-yl group, 1-isopropyl-2-oxopiperazin-4-yl group, 1-n-butyl-2-oxopiperazin-4-yl

15 group, 1-tert-butyl-2-oxopiperazin-4-yl group, 1-n-pentyl-2-oxopiperazin-4-yl group, 1-n-hexyl-2-oxopiperazin-4-yl group, 1-(4-benzyl)-2-oxopiperazin-4-yl group, 1-(2,4-dimethylbenzyl)piperazin-4-yl group, 1-(2,4,6-trimethylbenzyl)piperazin-4-yl group, 1-(3,5-

20 ditrifluoromethylbenzyl)piperazin-4-yl group, 1-(4-methylbenzyl)-2-oxopiperazin-4-yl group, 1-(4-trifluoromethylbenzyl)-2-oxopiperazin-4-yl group, 1-[2-(4-trifluoromethylphenyl)ethyl]-2-oxopiperazin-4-yl

group, 1-[3-(4-trifluoromethylphenyl)propyl]-2-

25 oxopiperazin-4-yl group, 1-[4-(4-trifluoromethylphenyl)butyl]-2-oxopiperazin-4-yl group, 1-[5-(4-trifluoromethylphenyl)pentyl]-2-oxopiperazin-4-yl group, 1-[6-(4-trifluoromethylphenyl)hexyl]-2-

oxopiperazin-4-yl group or the like.

Examples of a piperidyl group (which may be substituted on the piperidine ring by at least one oxo group as a substituent) includes a 1-piperidyl group,
 5 2-piperidyl group, 3-piperidyl group, 4-piperidyl group, 2-oxo-1-piperidyl group, 3-oxo-1-piperidyl group, 4-oxo-1-piperidyl group or the like.

A pyrrolidinyl group (which may be substituted on the pyrrolidine ring by at least one phenoxy C1-6 alkyl group which may have a halogen-substituted or unsubstituted C1-6 alkoxy group as a substituent)
 10 includes a pyrrolidinyl group (which may be substituted on the pyrrolidine ring by 1 to 3 phenoxy C1-6 alkyl groups which may have 1 to 3 halogen-substituted or
 15 unsubstituted C1-6 alkoxy groups as a substituent), for example, a pyrrolidin-1-yl group, pyrrolidin-2-yl group, pyrrolidin-3-yl group, 2-phenoxyethylpyrrolidin-1-yl group, 3-phenoxyethylpyrrolidin-1-yl group, 2-(2,4-dimethoxyphenoxyethyl)pyrrolidin-1-yl
 20 group, 2-(2,4,6-trimethoxyphenoxyethyl)pyrrolidin-1-yl group, 2,3-diphenoxymethylpyrrolidin-1-yl group, 1,3,4-phenoxymethylpyrrolidin-2-yl group, 2-(4-methoxyphenoxyethyl)pyrrolidin-1-yl group, 2-(4-trifluoromethoxyphenoxyethyl)pyrrolidin-1-yl group, 2-
 25 [2-(3-trifluoromethoxyphenoxy)ethyl]pyrrolidin-1-yl group, 2-[3-(4-trifluoromethoxyphenoxy)propyl]pyrrolidin-1-yl group, 2-[4-(4-trifluoromethoxyphenoxy)butyl]pyrrolidin-1-yl group, 2-[5-(4-trifluoro-

methoxyphenoxy)pentyl]pyrrolidin-1-yl group, 2-[6-(4-trifluoromethoxyphenoxy)hexyl]pyrrolidin-1-yl group, 3-(4-methoxyphenoxyethyl)pyrrolidin-1-yl group, 3-(3-trifluoromethoxyphenoxyethyl)pyrrolidin-1-yl group, 3-
5 (4-trifluoromethoxyphenoxyethyl)pyrrolidin-1-yl group or the like.

Examples of an isoindolinyl group include a 2-isoindolinyl group, 1-isoindolinyl group, 3-isoindolinyl group, 4-isoindolinyl group, 5-
10 isoindolinyl group, 6-isoindolinyl group or the like.

Examples of an oxazolidinyl group (which may be substituted on the oxazolidine ring by at least one oxo group as a substituent) include a 2-oxazolidinyl group, 3-oxazolidinyl group, 4-oxazolidinyl group, 5-
15 oxazolidinyl group, 2-oxo-3-oxazolidinyl group or the like.

A benzo-1,3-oxazolidinyl group (which may be substituted on the benzo-1,3-oxazolidine ring by at least one group selected from a group consisting of an
20 oxo group, halogen atom and phenyl group as a substituent) includes a benzo-1,3-oxazolidinyl group (which may be substituted on the benzo-1,3-oxazolidine ring by 1 to 3 groups selected from a group consisting of an oxo group, halogen atom and phenyl group as a
25 substituent), for example, a benzo-1,3-oxazolidin-2-yl group, benzo-1,3-oxazolidin-3-yl group, benzo-1,3-oxazolidin-4-yl group, benzo-1,3-oxazolidin-5-yl group, benzo-1,3-oxazolidin-6-yl group, benzo-1,3-oxazolidin-

7-yl group, 2-oxobenzo-1,3-oxazolidin-3-yl group, 4-chloro-2-oxobenzo-1,3-oxazolidin-3-yl group, 5-chloro-2-oxobenzo-1,3-oxazolidin-3-yl group, 5-bromo-2-oxobenzo-1,3-oxazolidin-3-yl group, 5-fluoro-benzo-1,3-oxazolidin-3-yl group, 6-phenyl-benzo-1,3-oxazolidin-3-yl group, 5-bromo-6-phenyl-2-oxobenzo-1,3-oxazolidin-3-yl group, 6-chloro-2-oxobenzo-1,3-oxazolidin-3-yl group, 7-chloro-2-oxobenzo-1,3-oxazolidin-3-yl group, 5-bromo-2-oxobenzo-1,3-oxazolidin-3-yl group, 4-phenyl-2-oxobenzo-1,3-oxazolidin-3-yl group, 5-phenyl-2-oxobenzo-1,3-oxazolidin-3-yl group, 6-phenyl-2-oxobenzo-1,3-oxazolidin-3-yl group, 7-phenyl-2-oxobenzo-1,3-oxazolidin-3-yl group or the like.

An imidazolidinyl group (which may be substituted on the imidazolidine ring by at least one group selected from a group consisting of an oxo group, phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by 1 to 3 groups selected from a group consisting of a halogen atom and C1-6 alkoxy group) and phenyl group) includes an imidazolidinyl group (which may be substituted on the imidazolidine ring by 1 to 3 groups selected from a group consisting of an oxo group, phenyl C1-6 alkyl group (which may be substituted on the phenyl ring by 1 to 3 groups selected from a group consisting of a halogen atom and a C1-6 alkoxy group) and phenyl group), for example, an imidazolidin-1-yl group, imidazolidin-2-yl group, imidazolidin-3-yl group, imidazolidin-4-yl group,

imidazolidin-5-yl group, 3-benzyl-imidazolidin-1-yl
 group, 3,4-dibenzyl-2-oxoimidazolidin-1-yl group, 2-
 oxoimidazolidin-1-yl group, 3-benzyl-2-oxoimidazolidin-
 1-yl group, 3-(2-fluorobenzyl)-2-oxoimidazolidin-1-yl
 5 group, 3-(3-fluorobenzyl)-2-oxoimidazolidin-1-yl group,
 3-(4-fluorobenzyl)-2-oxoimidazolidin-1-yl group, 3-
 phenyl-2-oxoimidazolidin-1-yl group, 3-(3,4-difluoro-
 benzyl)-2-oxoimidazolidin-1-yl group, 3-(3,5-difluoro-
 benzyl)-2-oxoimidazolidin-1-yl group, 3-(3,4,5-
 10 trifluorobenzyl)-2-oxoimidazolidin-1-yl group, 3-(2-
 chlorobenzyl)-2-oxoimidazolidin-1-yl group, 3-(3-
 chlorobenzyl)-2-oxoimidazolidin-1-yl group, 3-(4-
 chlorobenzyl)-2-oxoimidazolidin-1-yl group, 3-(2,3-
 dichlorobenzyl)-2-oxoimidazolidin-1-yl group, 3-(3,4-
 15 dichlorobenzyl)-2-oxoimidazolidin-1-yl group, 3-(3,5-
 dichlorobenzyl)-2-oxoimidazolidin-1-yl group, 3-(3,4,5-
 trichlorobenzyl)-2-oxoimidazolidin-1-yl group, 3-(2-
 bromobenzyl)-2-oxoimidazolidin-1-yl group, 3-(3-
 bromobenzyl)-2-oxoimidazolidin-1-yl group, 3-(4-
 20 bromobenzyl)-2-oxoimidazolidin-1-yl group, 3-(2-
 methoxybenzyl)-2-oxoimidazolidin-1-yl group, 3-(3-
 methoxybenzyl)-2-oxoimidazolidin-1-yl group, 3-(4-
 methoxybenzyl)-2-oxoimidazolidin-1-yl group, 3-(2,4-
 dimethoxybenzyl)-2-oxoimidazolidin-1-yl group, 3-
 25 (2,4,6-trimethoxybenzyl)-2-oxoimidazolidin-1-yl group,
 3-(3,5-dimethoxybenzyl)-2-oxoimidazolidin-1-yl group,
 3-(4-ethoxybenzyl)-2-oxoimidazolidin-1-yl group, 3-(4-
 isopropoxybenzyl)-2-oxoimidazolidin-1-yl group, 3-(4-n-

butoxybenzyl)-2-oxoimidazolidin-1-yl group, 3-(4-n-pentyloxybenzyl)-2-oxoimidazolidin-1-yl group, 3-(4-hexyloxybenzyl)-2-oxoimidazolidin-1-yl group, 3-[2-(3-methoxy-4-chlorophenyl)ethyl]-2-oxoimidazolidin-1-yl
 5 group, 3-[3-(4-chlorophenyl)propyl]-2-oxoimidazolidin-1-yl group, 3-[4-(4-chlorophenyl)butyl]-2-oxoimidazolidin-1-yl group, 3-[5-(4-chlorophenyl)-pentyl]-2-oxoimidazolidin-1-yl group, 3-[6-(4-chlorophenyl)hexyl]-2-oxoimidazolidin-1-yl group, 2-
 10 phenylidazolidine-1-yl group, 3-phenyl-2-benzylidazolidine-1-yl group, 3-phenyl-4-benzyl-2-oximidazolidine-1-yl group, 3-phenyl-5-benzyl-2-oximidazolidine-1-yl group, 4-phenyl-2-oximidazolidine-1-yl group or the like.

15 A benzimidazolidinyl group (which may be substituted on the benzimidazolidine ring by at least one group selected from a group consisting of an oxo group, halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group, amino group which may have a
 20 C1-6 alkyl group as a substituent, C1-6 alkoxy carbonyl group and, piperidyl group which may be substituted on the piperidine ring by at least one group selected from a group consisting of a C1-6 alkyl group, phenyl group which may be substituted on the phenyl ring by 1 to 3
 25 halogen atoms, C1-6 alkoxy carbonyl group and phenyl C1-6 alkoxy carbonyl group as a substituent) includes a benzimidazolidinyl group (which may be substituted on the benzimidazolidine ring by 1 to 3 groups selected

from a group consisting of an oxo group, halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group, amino group which may have 1 to 2 C1-6 alkyl groups as a substituent, C1-6 alkoxy carbonyl group, and piperidyl

5 group which may be substituted on the piperidine ring by 1 to 3 groups selected from a group consisting of a C1-6 alkyl group, phenyl group which may be substituted on the phenyl ring by 1 to 3 halogen atoms, C1-6 alkoxy carbonyl group and phenyl C1-6 alkoxy carbonyl

10 group as a substituent), for example, a benzimidazolidin-1-yl group, benzimidazolidin-2-yl group, benzimidazolidin-3-yl group, benzimidazolidin-4-yl group, benzimidazolidin-5-yl group, benzimidazolidin-6-yl group, benzimidazolidin-7-yl

15 group, 2-oxobenzimidazolidin-1-yl group, 3-methyl-2-oxobenzimidazolidin-1-yl group, 3-methyl-benzimidazolidin-1-yl group, 6-dimethylamino-benzimidazolidin-1-yl group, 6-ethoxycarbonyl-benzimidazolidin-1-yl group, 3-(4-phenylpiperidin-4-

20 yl)benzimidazolidin-1-yl group, 4-fluoro-benzimidazolidin-1-yl group, 3-ethyl-2-oxobenzimidazolidin-1-yl group, 3-n-propyl-2-oxobenzimidazolidin-1-yl group, 3-n-butyl-2-oxobenzimidazolidin-1-yl group, 3-n-pentyl-2-

25 oxobenzimidazolidin-1-yl group, 3-n-hexyl-2-oxobenzimidazolidin-1-yl group, 3-methyl-6-fluoro-2-oxobenzimidazolidin-1-yl group, 3-methyl-4-fluoro-2-oxobenzimidazolidin-1-yl group, 3-methyl-5-fluoro-2-

- oxobenzimidazolidin-1-yl group, 3-methyl-7-fluoro-2-oxobenzimidazolidin-1-yl group, 3-methyl-6-chloro-2-oxobenzimidazolidin-1-yl group, 3-methyl-5-chloro-2-oxobenzimidazolidin-1-yl group, 3-methyl-4-chloro-2-
- 5 oxobenzimidazolidin-1-yl group, 3-methyl-5-chloro-2-oxobenzimidazolidin-1-yl group, 3-methyl-7-chloro-2-oxobenzimidazolidin-1-yl group, 3-methyl-6-bromo-2-oxobenzimidazolidin-1-yl group, 3-methyl-4-bromo-2-oxobenzimidazolidin-1-yl group, 3-methyl-5-bromo-2-
- 10 oxobenzimidazolidin-1-yl group, 3-methyl-7-bromo-2-oxobenzimidazolidin-1-yl group, 3-ethyl-6-fluoro-2-oxobenzimidazolidin-1-yl group, 3-isopropyl-6-fluoro-2-oxobenzimidazolidin-1-yl group, 3-n-hexyl-6-fluoro-2-oxobenzimidazolidin-1-yl group, 3-ethyl-6-chloro-2-
- 15 oxobenzimidazolidin-1-yl group, 3-isopropyl-6-chloro-2-oxobenzimidazolidin-1-yl group, 3-n-hexyl-6-chloro-2-oxobenzimidazolidin-1-yl group, 3-ethyl-5-chloro-2-oxobenzimidazolidin-1-yl group, 3-isopropyl-5-chloro-2-oxobenzimidazolidin-1-yl group, 3-tert-butyl-5-chloro-
- 20 2-oxobenzimidazolidin-1-yl group, 3-methyl-6-ethoxycarbonyl-2-oxobenzimidazolidin-1-yl group, 3-isopropyl-6-ethoxycarbonyl-2-oxobenzimidazolidin-1-yl group, 3-n-propyl-6-ethoxycarbonyl-2-oxobenzimidazolidin-1-yl group, 3-methyl-6-
- 25 trifluoromethyl-2-oxobenzimidazolidin-1-yl group, 5-trifluoromethyl-2-oxobenzimidazolidin-1-yl group, 3-methyl-5-trifluoromethyl-2-oxobenzimidazolidin-1-yl group, 3-isopropyl-5-trifluoromethyl-2-

- oxobenzimidazolidin-1-yl group, 3-(4-phenylpiperidin-1-yl)-2-oxobenzimidazolidin-1-yl group, 3-(4-phenylpiperidin-1-yl)-5-trifluoromethyl-2-oxobenzimidazolidin-1-yl group, 3-(4-phenylpiperidin-1-yl)-6-trifluoromethyl-2-oxobenzimidazolidin-1-yl group, 3-methyl-6-dimethylamino-2-oxobenzimidazolidin-1-yl group, 3-ethyl-6-dimethylamino-2-oxobenzimidazolidin-1-yl group, 3-methyl-6-amino-2-oxobenzimidazolidin-1-yl group, 3-isopropyl-6-dimethylamino-2-oxobenzimidazolidin-1-yl group, 3-[4-(3-fluorophenyl)piperidin-1-yl]-2-oxobenzimidazolidin-1-yl group, 3-[4-(4-fluorophenyl)piperidin-1-yl]-2-oxobenzimidazolidin-1-yl group, 3-[4-(3-chlorophenyl)piperidin-1-yl]-2-oxobenzimidazolidin-1-yl group, 3-[4-(4-chlorophenyl)piperidin-1-yl]-2-oxobenzimidazolidin-1-yl group, 3-[4-(2,3-difluorophenyl)piperidin-1-yl]-5-chloro-2-oxobenzimidazolidin-1-yl group, 3-[4-(4-fluorophenyl)piperidin-1-yl]-5-chloro-2-oxobenzimidazolidin-1-yl group, 3-[4-(2,4,6-trichlorophenyl)piperidin-1-yl]-5-chloro-2-oxobenzimidazolidin-1-yl group, 3-[4-(4-chlorophenyl)piperidin-1-yl]-5-chloro-2-oxobenzimidazolidin-1-yl group, 3-[4-(3-fluorophenyl)piperidin-1-yl]-6-chloro-2-oxobenzimidazolidin-1-yl group, 3-[4-(4-iodophenyl)piperidin-1-yl]-6-chloro-2-oxobenzimidazolidin-1-yl group, 3-[4-(3-bromophenyl)piperidin-1-yl]-6-chloro-2-oxobenzimidazolidin-1-yl group, 3-[1-methylpiperidin-4-yl]-6-chloro-2-oxobenzimidazolidin-1-yl group, 3-(piperidin-4-yl)-2-

oxobenzimidazolidin-1-yl group, 3-(1-tert-butoxy-
 carbonylpiperidin-4-yl)-2-oxobenzimidazolidin-1-yl
 group, 3-(benzyloxycarbonylpiperidin-4-yl)-2-
 oxobenzimidazolidin-1-yl group, 3-(piperidin-4-yl)-6-
 5 fluoro-2-oxobenzimidazolidin-1-yl group, 3-(1-tert-
 butoxycarbonylpiperidin-4-yl)-6-fluoro-2-
 oxobenzimidazolidin-1-yl group, 3-(1-benzyloxycarbonyl-
 piperidin-4-yl)-6-fluoro-2-oxobenzimidazolidin-1-yl
 group, 3-(piperidin-4-yl)-6-chloro-2-
 10 oxobenzimidazolidin-1-yl group, 3-(1-tert-butoxy-
 carbonylpiperidin-4-yl)-6-chloro-2-oxobenzimidazolidin-
 1-yl group, 3-(1-benzyloxycarbonyl-4-piperidin-4-yl)-6-
 chloro-2-oxobenzimidazolidin-1-yl group, 3-(1,2-
 dimethylpiperidin-4-yl)benzimidazolidin-1-yl group, 3-
 15 (1-benzyloxycarbonyl-2-methylpiperidin-4-
 yl)benzimidazolidin-1-yl group, 3-(1,2,6-trimethyl-
 piperidin-4-yl) benzimidazolidin-1-yl group or the
 like.

A phthalimide group includes, for example, a
 20 phthalimid-2-yl group or the like.

An indolinyl group (which may be substituted
 by at least one group selected from a group consisting
 of a C1-6 alkyl group, halogen atom and oxo group as a
 substituent on the indoline ring) includes an indolinyl
 25 group (which may have 1 to 3 groups selected from a
 group consisting of a C1-6 alkyl group, halogen atom
 and oxo group as a substituent on the indoline ring),
 for example, an indolinin-1-yl group, indolinin-2-yl

group, indolinin-3-yl group, indolinin-4-yl group, indolinin-5-yl group, indolinin-6-yl group, indolinin-7-yl group, 3-methyl-indolin-1-yl group, 3,8-dibromoindolin-1-yl group, 2-oxoindolin-1-yl group
 5 (another name: oxyindol-1-yl group), 3-methyl-2-oxoindolin-1-yl group, 3,3-dimethyl-2-oxoindolin-1-yl group, 3-ethyl-2-oxoindolin-1-yl group, 3-n-propyl-2-oxoindolin-1-yl group, 3-n-butyryl-2-oxoindolin-1-yl group, 3-n-pentyl-2-oxoindolin-1-yl group, 3-fluoro-2-oxoindolin-1-yl group, 3,3-difluoro-2-oxoindolin-1-yl group, 3-chloro-2-oxoindolin-1-yl group, 3,3-dichloro-2-oxoindolin-1-yl group or the like.
 10

An example of a 2,3-dihydrobenzisothiazolyl group (which may have at least one oxo group as a
 15 substituent on the 2,3-dihydrobenzisothiazole ring) includes a 3-benzisothiazolydinon-1,1-dioxide-2-yl group or the like.

Examples of a 1H-2,4-benzoxazinyl group (which may have at least one oxo group as a substituent
 20 on the 1H-2,4-benzoxazine ring) include a 1H-2,4-benzoxazin-3(4H)-on-4-yl group, 1H-2,4-benzoxazin-1,3(4H)-dion-4-yl group or the like.

A phenoxy C1-6 alkyl group which may have a halogen atom as a substituent on the phenyl ring
 25 includes a phenoxy C1-6 alkyl group which may have 1 to 5 halogen atoms, for example, a phenoxymethyl group, 2-fluorophenoxymethyl group, 3-fluorophenoxymethyl group, 3,4-difluorophenoxymethyl group, 3,5-

difluorophenoxyethyl group, 2,3,4,5,6-pentafluorophenoxyethyl group, 2-chlorophenoxyethyl group, 3-chlorophenoxyethyl group, 4-chlorophenoxyethyl group, 3,4-dichlorophenoxyethyl group, 3,5-dichlorophenoxyethyl group, 2-phenoxyethyl group, 1-phenoxyethyl group, 3-phenoxypropyl group, 4-phenoxybutyl group, 5-phenoxypropyl group, 6-phenoxy group, 2-(2,4,6-chlorophenoxy)ethyl group, 3-(4-iodophenoxy)propyl group, 4-(4-bromophenoxy)butyl group, 5-(4-chlorophenoxy)propyl group, 6-(4-chlorophenoxy)hexyl group or the like.

A phenyl C2-6 alkenyl group which may have a halogen atom as a substituent on the phenyl ring includes a phenyl C2-6 alkenyl group which has 1 to 2 double bonds and may have 1 to 5 halogen atoms as a substituent on the phenyl ring, for example, a 3-phenyl-2-propenyl group (trivial name: cinnamyl group), 4-phenyl-2-butenyl group, 4-phenyl-3-butenyl group, 4-phenyl-1,3-butadienyl group, 5-phenyl-1,3,5-hexatrienyl group, 3-(2-fluorophenyl)-2-propenyl group, 3-(3-fluorophenyl)-2-propenyl group, 3-(4-fluorophenyl)-2-propenyl group, 3-(2,3-difluorophenyl)-2-propenyl group, 3-(2,3,4,5,6-pentafluorophenyl)-2-propenyl group, 3-(3,4-difluorophenyl)-2-propenyl group, 3-(3,5-difluorophenyl)-2-propenyl group, 3-(2,4,6-trichlorophenyl)-2-propenyl group, 3-(3-chlorophenyl)-2-propenyl group, 3-(4-chlorophenyl)-2-propenyl group, 3-(2,3-dichlorophenyl)-2-propenyl group, 3-(2,4-

dichlorophenyl)-2-propenyl group, 3-(3,4-dichlorophenyl)-2-propenyl group, 3-(3,5-dichlorophenyl)-2-propenyl group, 3-(2-bromophenyl)-2-propenyl group, 3-(3-bromophenyl)-2-propenyl group, 3-
 5 (4-bromophenyl)-2-propenyl group, 4-(4-chlorophenyl)-2-butenyl group, 4-(4-chlorophenyl)-3-butenyl group, 5-(4-chlorophenyl)-2-pentenyl group, 5-(4-chlorophenyl)-4-pentenyl group, 5-(4-chlorophenyl)-3-pentenyl group, 6-(4-chlorophenyl)-5-hexenyl group, 6-(4-chlorophenyl)-
 10 4-hexenyl group, 6-(4-chlorophenyl)-3-hexenyl group, 6-(4-chlorophenyl)-3-hexenyl group or the like.

A phenyl group which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom, halogen-substituted
 15 or unsubstituted C1-6 alkyl group, halogen-substituted or unsubstituted C1-6 alkoxy group and phenyl group as a substituent includes a phenyl group which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a
 20 halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group, halogen-substituted or unsubstituted C1-6 alkoxy group and phenyl group as a substituent, for example, a phenyl group, 2-fluorophenyl group, 3-fluorophenyl group, 4-fluorophenyl group, 2-chlorophenyl group, 3-chlorophenyl group, 4-chlorophenyl group, 2-bromophenyl group, 3-bromophenyl
 25 group, 4-bromophenyl group, 2-iodophenyl group, 3-iodophenyl group, 4-iodophenyl group, 2,3-difluoro-

phenyl group, 3,4-difluorophenyl group, 3,5-difluorophenyl group, 2,4-difluorophenyl group, 2,6-difluorophenyl group, 2,3-dichlorophenyl group, 3,4-dichlorophenyl group, 3,5-dichlorophenyl group, 2,4-dichlorophenyl group, 2,6-dichlorophenyl group, 3,4,5-trifluorophenyl group, 3,4,5-trichlorophenyl group, 2,4,6-trifluorophenyl group, 2,4,6-trichlorophenyl group, 2-fluoro-4-bromophenyl group, 4-chloro-3-fluorophenyl group, 2,3,4-trichlorophenyl group, 3,4,5-trifluorophenyl group, 2,4,6-tribromophenyl group, 4-n-butylphenyl group, 2,4-dimethylphenyl group, 2,3-dimethylphenyl group, 2,6-dimethylphenyl group, 3,5-dimethylphenyl group, 2,5-dimethylphenyl group, 2,4,6-trimethylphenyl group, 3,5-ditrifluoromethylphenyl group, 4-n-butoxyphenyl group, 2,4-dimethoxyphenyl group, 2,3-dimethoxyphenyl group, 2,6-dimethoxyphenyl group, 3,5-dimethoxyphenyl group, 2,5-dimethoxyphenyl group, 2,4,6-trimethoxyphenyl group, 3,5-ditrifluoromethoxyphenyl group, 3-chloro-4-methoxyphenyl group, 2-chloro-4-trifluoromethoxyphenyl group, 3-methyl-4-fluorophenyl group, 4-bromo-3-trifluoromethylphenyl group, 2-methylphenyl group, 3-methylphenyl group, 4-methylphenyl group, 2-methyl-3-chlorophenyl group, 3-methyl-4-chlorophenyl group, 2-chloro-4-methylphenyl group, 2-methyl-3-fluorophenyl group, 2-trifluoromethylphenyl group, 3-trifluoromethylphenyl group, 4-trifluoromethylphenyl group, 2-pentafluoroethylphenyl group, 3-pentafluoroethylphenyl group, 4-pentafluoro-

ethylphenyl group, 2-isopropylphenyl group, 3-isopropylphenyl group, 4-isopropylphenyl group, 2-tert-butylphenyl group, 3-tert-butylphenyl group, 4-tert-butylphenyl group, 2-sec-butylphenyl group, 3-sec-

5 butylphenyl group, 4-sec-butylphenyl group, 2-n-heptafluoropropylphenyl group, 3-n-heptafluoropropylphenyl group, 4-n-heptafluoropropylphenyl group, 4-pentylphenyl group, 4-hexylphenyl group, 2-methoxyphenyl group, 3-methoxyphenyl group, 4-methoxyphenyl

10 group, 3-chloro-2-methoxyphenyl group, 2-fluoro-3-methoxyphenyl group, 2-fluoro-4-methoxyphenyl group, 2,6-dimethoxyphenyl group, 2,3,4-trifluorophenyl group, 2,3,4,5,6-pentafluorophenyl group, 2-trifluoromethoxyphenyl group, 3-trifluoromethoxyphenyl group, 4-

15 trifluoromethoxyphenyl group, 3-fluoro-2-trifluoromethoxyphenyl group, 2-fluoro-3-trifluoromethoxyphenyl group, 3-fluoro-4-trifluoromethoxyphenyl group, 3-chloro-2-trifluoromethoxyphenyl group, 2-chloro-3-trifluoromethoxyphenyl group, 3-chloro-4-trifluoro-

20 methoxyphenyl group, 2-pentafluoroethoxyphenyl group, 3-pentafluoroethoxyphenyl group, 4-pentafluoroethoxyphenyl group, 3-chloro-2-pentafluoroethoxyphenyl group, 2-chloro-3-pentafluoroethoxyphenyl group, 3-chloro-4-pentafluoroethoxyphenyl group, 2-isopropoxyphenyl

25 group, 3-isopropoxyphenyl group, 4-isopropoxyphenyl group, 2-tert-butoxyphenyl group, 3-tert-butoxyphenyl group, 4-tert-butoxyphenyl group, 2-sec-butoxyphenyl group, 3-sec-butoxyphenyl group, 4-sec-butoxyphenyl

group, 2-n-heptafluoropropoxyphenyl group, 3-n-heptafluoropropoxyphenyl group, 4-n-heptafluoropropoxyphenyl group, 4-n-pentoxyphenyl group, 4-n-hexyloxyphenyl group, 4-biphenylyl group, 3-biphenylyl group,
 5 2-biphenylyl or the like.

A 1,3-thiazolidinyl group (which may be substituted on the 1,3-thiazolidine ring by at least one group selected from a group consisting of an oxo group and phenyl C1-6 alkylidene group which may have a
 10 halogen-substituted or unsubstituted C1-6 alkyl group on the phenyl group as a substituent) includes a 1,3-thiazolidinyl (which may be substituted on the 1,3-thiazolidine ring by 1 to 3 groups selected from a group consisting of an oxo group and phenyl C1-6
 15 alkylidene group which may 1 to 3 halogen-substituted or unsubstituted C1-6 alkyl groups as a substituent on the phenyl group), for example, a 1,3-thiazolidine-2-yl group, 1,3-thiazolidine-3-yl group, 1,3-thiazolidine-4-yl group, 1,3-thiazolidine-5-yl group, 1,3-
 20 thiazolidine-2,4-dion-3-yl group, 5-benzylidene-1,3-thiazolidine-3-yl group, 5-benzylidene-1,3-thiazolidine-2-on-3-yl group, 5-benzylidene-1,3-thiazolidine-4-on-3-yl group, 5-(2-methylbenzylidene)-1,3-thiazolidine-3-yl group, 5-(2,4-dimethyl-
 25 benzylidene)-1,3-thiazolidine-3-yl group, 5-(2,4,6-trimethylbenzylidene)-1,3-thiazolidine-3-yl group, 5-benzylidene-1,3-thiazolidine-2,4-dion-3-yl group, 5-(2-trifluoromethylbenzylidene)-1,3-thiazolidine-2,4-dion-

3-yl group, 5-(3,5-ditrifluoromethylbenzylidene)-1,3-thiazolidine-2,4-dion-3-yl group, 5-(4-tritrifluoromethylbenzylidene)-1,3-thiazolidine-2,4-dion-3-yl group, 5-[2-(4-tritrifluoromethylphenyl)ethylidene]-1,3-thiazolidine-2,4-dion-3-yl group, 5-[3-(4-tritrifluoromethylphenyl)propylidene]-1,3-thiazolidine-2,4-dion-3-yl group, 5-[4-(4-tritrifluoromethylphenyl)butylidene]-1,3-thiazolidine-2,4-dion-3-yl group, 5-[5-(4-tritrifluoromethylphenyl)pentylidene]-1,3-thiazolidine-2,4-dion-3-yl group, 5-[6-(4-trifluoromethylphenyl)hexylidene]-1,3-thiazolidine-2,4-dion-3-yl group or the like.

A halogen-substituted or unsubstituted phenyl group includes a phenyl group which may be substituted by 1 to 5 halogen atoms, for example, a phenyl group, 2-fluorophenyl group, 3-fluorophenyl group, 4-fluorophenyl group, 2-chlorophenyl group, 3-chlorophenyl group, 4-chlorophenyl group, 2-bromophenyl group, 3-bromophenyl group, 4-bromophenyl group, 2-iodophenyl group, 3-iodophenyl group, 4-iodophenyl group, 2,3-difluorophenyl group, 3,4-difluorophenyl group, 3,5-difluorophenyl group, 2,4-difluorophenyl group, 2,6-difluorophenyl group, 2,3-dichlorophenyl group, 3,4-dichlorophenyl group, 3,5-dichlorophenyl group, 2,4-dichlorophenyl group, 2,6-dichlorophenyl group, 3,4,5-trifluorophenyl group, 3,4,5-trichlorophenyl group, 2,4,6-trifluorophenyl group, 2,4,6-trichlorophenyl group, 2-fluoro-4-bromophenyl group, 4-

chloro-3-fluorophenyl group, 2,3,4-trichlorophenyl group, 3,4,5-trifluorophenyl group, 2,4,6-trifluorophenyl group, 2,3,4,5,6-pentafluorophenyl group or the like.

5 A phenyl C1-6 alkyl group which may have a phenyl group as a substituent on the phenyl ring includes a phenyl C1-6 alkyl group which may have 1 to 3 phenyl groups as a substituent on the phenyl ring, for example, a benzyl group, 2-phenylethyl group, 1-phenylethyl group, 3-phenylpropyl group, 4-phenylbutyl group, 5-phenylpentyl group, 6-phenylhexyl group, 2-methyl-3-phenylpropyl group, 1,1-dimethyl 2-phenylethyl group, 3-phenylbenzyl group, 2-phenylbenzyl group, 4-phenylbenzyl group, 2,4-diphenylbenzyl group, 2,4,6-
10 triphenylbenzyl group or the like.

 A phenyl group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-
20 substituted or unsubstituted C1-6 alkoxy group, amino group (which may be substituted on the amino group by at least one group selected from a group consisting of a C1-6 alkyl group and phenyl group (which may be substituted on the phenyl ring by at least one group
25 selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group), phenoxy group (which may be substituted on the

phenyl ring by at least one group selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group) and piperidyl group

5 (which may be substituted on the piperidine ring by at least one phenoxy group as a substituent (which may be substituted by at least one group selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted

10 or unsubstituted C1-6 alkoxy group))) includes a phenyl group (which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted

15 or unsubstituted C1-6 alkoxy group, amino group (which may be substituted on the amino group by 1 to 2 groups selected from a group consisting of a C1-6 alkyl group and a phenyl group (which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups

20 selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group), phenoxy group (which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups

25 selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group) and piperidyl group (which may be substituted on

the piperidine ring by 1 to 3 phenoxy groups, as a substituent, (which may be substituted by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group))), for example, a phenyl group, 2-fluorophenyl group, 3-fluorophenyl group, 4-fluorophenyl group, 2-chlorophenyl group, 3-chlorophenyl group, 4-chlorophenyl group, 2-bromophenyl group, 3-bromophenyl group, 4-bromophenyl group, 2-iodophenyl group, 3-iodophenyl group, 4-iodophenyl group, 2,3-difluorophenyl group, 2,3,4,5,6-pentafluorophenyl group, 3,4-difluorophenyl group, 3,5-difluorophenyl group, 2,4-difluorophenyl group, 2,6-difluorophenyl group, 2,3-dichlorophenyl group, 3,4-dichlorophenyl group, 3,5-dichlorophenyl group, 2,4-dichlorophenyl group, 2,6-dichlorophenyl group, 3,4,5-trifluorophenyl group, 3,4,5-trichlorophenyl group, 2,4,6-trifluorophenyl group, 2,4,6-trichlorophenyl group, 2-methylphenyl group, 3-methylphenyl group, 4-methylphenyl group, 2,4-dimethylphenyl group, 2,4,6-trimethylphenyl group, 2-methyl-3-chlorophenyl group, 3-methyl-4-chlorophenyl group, 2-chloro-4-methylphenyl group, 2-methyl-3-fluorophenyl group, 2-trifluoromethylphenyl group, 3-trifluoromethylphenyl group, 3,5-di(trifluoromethyl)phenyl group, 4-trifluoromethylphenyl group, 2-pentafluoroethylphenyl group, 3-pentafluoroethylphenyl group, 4-pentafluoroethylphenyl

group, 2-isopropylphenyl group, 3-isopropylphenyl
 group, 4-isopropylphenyl group, 2-tert-butylphenyl
 group, 3-tert-butylphenyl group, 4-tert-butylphenyl
 group, 2-sec-butylphenyl group, 3-sec-butylphenyl
 5 group, 4-sec-butylphenyl group, 2-n-heptafluoro-
 propylphenyl group, 3-n-heptafluoropropylphenyl group,
 4-n-heptafluoropropylphenyl group, 4-pentylphenyl
 group, 4-hexylphenyl group, 2-methoxyphenyl group, 3-
 methoxyphenyl group, 4-methoxyphenyl group, 2-methoxy-
 10 3-chlorophenyl group, 2-fluoro-3-methoxyphenyl group,
 2-fluoro-4-methoxyphenyl group, 2,6-dimethoxyphenyl
 group, 2,4,6-trimethoxyphenyl group, 2-trifluoro-
 methoxyphenyl group, 3-trifluoromethoxyphenyl group, 4-
 trifluoromethoxyphenyl group, 3,5-ditrifluoromethoxy-
 15 phenyl group, 4-trifluoromethoxyphenyl group, 2-
 pentafluoroethoxyphenyl group, 3-pentafluoroethoxy-
 phenyl group, 4-pentafluoroethoxyphenyl group, 2-
 isopropoxyphenyl group, 3-isopropoxyphenyl group, 4-
 isopropoxyphenyl group, 2-tert-butoxyphenyl group, 3-
 20 tert-butoxyphenyl group, 4-tert-butoxyphenyl group, 2-
 sec-butoxyphenyl group, 3-sec-butoxyphenyl group, 4-
 sec-butoxyphenyl group, 2-n-heptafluoropropoxyphenyl
 group, 3-n-heptafluoropropoxyphenyl group, 4-n-
 heptafluoropropoxyphenyl group, 4-pentyloxyphenyl
 25 group, 4-hexyloxyphenyl group, 2-aminophenyl group, 3-
 aminophenyl group, 4-aminophenyl group, 3-methylamino-
 phenyl group, 3-dimethylaminophenyl group, 4-
 methylaminophenyl group, 4-dimethylaminophenyl group,

4-ethylaminophenyl group, 4-diethylaminophenyl group,
 4-di-n-propylaminophenyl group, 4-n-propylaminophenyl
 group, 4-n-butylaminophenyl group, 4-di-n-butylamino-
 phenyl group, 4-n-pentylaminophenyl group, 4-di-n-
 5 pentylaminophenyl group, 4-n-hexylaminophenyl group, 4-
 di-n-hexylaminophenyl group, 4-phenylaminophenyl group,
 4-(2-fluorophenylamino)phenyl group, 4-(3-fluorophenyl-
 amino)phenyl group, 4-(4-fluorophenylamino)phenyl
 group, 4-(2,3,4,5,6-pentafluorophenylamino)phenyl
 10 group, 4-(2,4-difluorophenylamino)phenyl group, 4-(3,4-
 difluorophenylamino)phenyl group, 4-(3,5-
 difluorophenylamino)phenyl group, 4-(2-
 chlorophenylamino)phenyl group, 4-(3-
 chlorophenylamino)phenyl group, 4-(4-
 15 chlorophenylamino)phenyl group, 4-(2-bromophenyl-
 amino)phenyl group, 4-(3-bromophenylamino)phenyl group,
 4-(4-bromophenylamino)phenyl group, 4-(2,3-dichloro-
 phenylamino)phenyl group, 4-(2,4-dichlorophenylamino)-
 phenyl group, 4-(2,4,6-trichlorophenylamino)phenyl
 20 group, 4-(3,5-dichlorophenylamino)phenyl group, 4-(2-
 methylphenylamino)phenyl group, 4-(3-methylphenyl-
 amino)phenyl group, 4-(4-methylphenylamino)phenyl
 group, 4-(2-ethylphenylamino)phenyl group, 4-(3-
 ethylphenylamino)phenyl group, 4-(4-ethylphenylamino)-
 25 phenyl group, 4-(4-n-propylphenylamino)phenyl group, 4-
 (4-tert-butylphenylamino)phenyl group, 4-(4-n-
 butylphenylamino)phenyl group, 4-(2-trifluoromethyl-
 phenylamino)phenyl group, 4-(3-trifluoromethylphenyl-

- amino)phenyl group, 4-(4-trifluoromethylphenylamino)-phenyl group, 4-(2-pentafluoroethylphenylamino)phenyl group, 4-(3-pentafluoroethylphenylamino)phenyl group, 4-(2,3-dimethylphenylamino)phenyl group, 4-(3,4,5-
- 5 trimethylphenylamino)phenyl group, 4-(4-pentylphenylamino)phenyl group, 4-(4-hexylphenylamino)phenyl group, 4-(2-trifluoromethoxyphenylamino)phenyl group, 4-(3-trifluoromethoxyphenylamino)phenyl group, 4-(3-methoxyphenylamino)phenyl group, 4-(2,4-dimethoxy-
- 10 phenylamino)phenyl group, 4-(2,4,6-trimethoxyphenylamino)phenyl group, 4-(4-trifluoromethoxyphenylamino)phenyl group, 4-(2-pentafluoroethoxyphenylamino)-phenyl group, 4-(3-pentafluoroethoxyphenylamino)phenyl group, 4-(4-pentafluoroethoxyphenylamino)phenyl group,
- 15 3-(N-methyl-N-phenylamino)phenyl group, 2-phenoxyphenyl group, 3-phenoxyphenyl group, 4-phenoxyphenyl group, 2-(2-chlorophenoxy)phenyl group, 2,4-diphenoxyphenyl group, 2-(3-chlorophenoxy)phenyl group, 2-(4-chlorophenoxy)phenyl group, 3-(2-chlorophenoxy)phenyl group,
- 20 3-(3-chlorophenoxy)phenyl group, 3-(4-chlorophenoxy)-phenyl group, 4-(2-chlorophenoxy)phenyl group, 4-(2,3-dichlorophenoxy)phenyl group, 4-(2,4,6-trichlorophenoxy)phenyl group, 2-(2-trifluoromethylphenoxy)-phenyl group, 2-(3-trifluoromethylphenoxy)phenyl group,
- 25 2-(4-trifluoromethylphenoxy)phenyl group, 3-(2-trifluoromethylphenoxy)phenyl group, 3-(3-trifluoromethylphenoxy)phenyl group, 3-(2,3,4,5,6-pentafluoromethylphenoxy)phenyl group, 4-(2-trifluoromethyl-

phenoxy)phenyl group, 4-(3-trifluoromethylphenoxy)-
 phenyl group, 4-(2,4-dimethylphenoxy)phenyl group, 4-
 (2,4,6-trimethylphenoxy)phenyl group, 4-(3-trifluoro-
 methylphenoxy)phenyl group, 4-(4-trifluoromethyl-
 5 phenoxy)phenyl group, 2-(2-trifluoromethoxyphenoxy)-
 phenyl group, 2-(3-trifluoromethoxyphenoxy)phenyl
 group, 2-(4-trifluoromethoxyphenoxy)phenyl group, 2-(4-
 methoxyphenoxy)phenyl group, 2-(2,4-dimethoxyphenoxy)-
 phenyl group, 2-(2,4,6-trimethoxyphenoxy)phenyl group,
 10 3-(2-trifluoromethoxyphenoxy)phenyl group, 3-(3-
 trifluoromethoxyphenoxy)phenyl group, 3-(4-trifluoro-
 methoxyphenoxy)phenyl group, 4-(2-trifluoromethoxy-
 phenoxy)phenyl group, 4-(3-trifluoromethoxyphenoxy)-
 phenyl group, 4-(4-trifluoromethoxyphenoxy)phenyl
 15 group, 2-(4-phenoxy-piperidin-1-yl)phenyl group, 3-(4-
 phenoxy-piperidin-1-yl)phenyl group, 4-(4-phenoxy-
 piperidin-1-yl)phenyl group, 2-[4-(4-chlorophenoxy)-
 piperidin-1-yl]phenyl group, 4-[4-(4-chlorophenoxy)-
 piperidin-1-yl]phenyl group, 3-[4-(2,4,6-trichloro-
 20 phenoxy)piperidin-1-yl]phenyl group, 4-[4-(3,4-
 dichlorophenoxy)piperidin-1-yl]phenyl group, 4-[4-
 (2,3,4,5,6-pentafluorophenoxy)piperidin-1-yl]phenyl
 group, 4-[4-(4-bromophenoxy)piperidin-1-yl]phenyl
 group, 3-[4-(4-chlorophenoxy)piperidin-1-yl]phenyl
 25 group, 2-[4-(4-methylphenoxy)piperidin-1-yl]phenyl
 group, 2-[4-(3,4-dimethylphenoxy)piperidin-1-yl]phenyl
 group, 2-[4-(3,4,5-trimethylphenoxy)piperidin-1-
 yl]phenyl group, 3-[4-(4-trifluoromethylphenoxy)-

piperidin-1-yl]phenyl group, 4-[4-(4-trifluoromethylphenoxy)piperidin-1-yl]phenyl group, 3-[4-(4-pentafluoroethylphenoxy)piperidin-1-yl]phenyl group, 4-[4-(4-pentafluoroethylphenoxy)piperidin-1-yl]phenyl group, 2-[4-(4-trifluoromethoxyphenoxy)piperidin-1-yl]phenyl group, 3-[4-(4-trifluoromethoxyphenoxy)piperidin-1-yl]phenyl group, 4-[4-(4-methoxyphenoxy)piperidin-1-yl]phenyl group, 4-[4-(2,4-dimethoxyphenoxy)piperidin-1-yl]phenyl group, 4-[4-(2,4,6-trimethoxyphenoxy)piperidin-1-yl]phenyl group, 4-[4-(4-trifluoromethoxyphenoxy)piperidin-1-yl]phenyl group, 2-[4-(4-pentafluoroethoxyphenoxy)piperidin-1-yl]phenyl group, 4-[4-(4-pentafluoroethoxyphenoxy)piperidin-1-yl]phenyl group, (3,4-diphenoxypiperidin-1-yl)phenyl group, piperidin-1-ylphenyl group, (3,4,5-triphenoxypiperidin-1-yl)phenyl group, piperidin-4-ylphenyl group or the like.

A piperazinyl C1-6 alkyl group (which may be substituted on the piperazine ring by at least one group selected from a group consisting of a C1-6 alkoxycarbonyl group and phenyl C1-6 alkoxycarbonyl group which may be substituted on the phenyl ring by 1 to 3 groups selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group or halogen-substituted or unsubstituted C1-6 alkoxy group and phenyl group) includes a piperazinyl C1-6 alkyl group (which may be substituted on the

piperazin ring by 1 to 3 groups selected from a group
 consisting of a C1-6 alkoxy carbonyl group and a phenyl
 C1-6 alkoxy carbonyl group which may be substituted on
 the phenyl ring by 1 to 3 groups selected from a group
 5 consisting of a halogen atom, halogen-substituted or
 unsubstituted C1-6 alkyl group or halogen-substituted
 or unsubstituted C1-6 alkoxy group and phenyl group),
 for example, a 1-piperazinylmethyl group, 2-(2-
 piperazinyl)ethyl group, 1-(3-piperazinyl)ethyl group,
 10 3-(4-piperazinyl)propyl group, 4-(1-piperazinyl)butyl
 group, 5-(2-piperazinyl)pentyl group, 6-(3-
 piperazinyl)hexyl group, 4-methoxycarbonyl-1-
 piperazinylmethyl group, 2-(4-methoxycarbonyl-1-
 piperazinyl)ethyl group, 3-(4-methoxycarbonyl-1-
 15 piperazinyl)propyl group, 4-(4-methoxycarbonyl-1-
 piperazinyl)butyl group, 5-(4-methoxycarbonyl-1-
 piperazinyl)pentyl group, 6-(4-methoxycarbonyl-1-
 piperazinyl)hexyl group, 4-ethoxycarbonyl-1-
 piperazinylmethyl group, 2-(4-ethoxycarbonyl-1-
 20 piperazinyl)ethyl group, 3-(4-ethoxycarbonyl-1-
 piperazinyl)propyl group, 4-(4-ethoxycarbonyl-1-
 piperazinyl)butyl group, 5-(4-ethoxycarbonyl-1-
 piperazinyl)pentyl group, 6-(4-ethoxycarbonyl-1-
 piperazinyl)hexyl group, 4-tert-butoxycarbonyl-1-
 25 piperazinylmethyl group, 2-(4-tert-butoxycarbonyl-1-
 piperazinyl)ethyl group, 3-(4-tert-butoxycarbonyl-1-
 piperazinyl)propyl group, 4-(4-tert-butoxycarbonyl-1-
 piperazinyl)butyl group, 5-(4-tert-butoxycarbonyl-1-

- piperazinyl)pentyl group, 6-(4-tert-butoxycarbonyl-1-piperazinyl)hexyl group, 2-(4-biphenylylmethoxycarbonyl-1-piperazinyl)ethyl group, 3-(4-biphenylylmethoxycarbonyl-1-piperazinyl)propyl group, 4-(4-
- 5 biphenylylmethoxycarbonyl-1-piperazinyl)butyl group, 5-(4-biphenylylmethoxycarbonyl-1-piperazinyl)pentyl group, 6-(4-biphenylylmethoxycarbonyl-1-piperazinyl)-hexyl group, 2-(4-benzyloxycarbonyl-1-piperazinyl)ethyl group, 3-(4-benzyloxycarbonyl-1-piperazinyl)propyl
- 10 group, 4-(4-benzyloxycarbonyl-1-piperazinyl)butyl group, 5-(4-benzyloxycarbonyl-1-piperazinyl)pentyl group, 6-(4-(4-benzyloxycarbonyl)-1-piperazinyl)hexyl group, 2-(4-(2-fluorobenzyloxycarbonyl)-1-piperazinyl)ethyl group, 3-(4-(2-fluorobenzyloxy-
- 15 carbonyl)-1-piperazinyl)propyl group, 4-(4-(2,3-difluorobenzyloxycarbonyl)-1-piperazinyl)butyl group, 5-(4-(2-fluorobenzyloxycarbonyl)-1-piperazinyl)pentyl group, 6-(4-(4-fluorobenzyloxycarbonyl)-1-piperazinyl)hexyl group, 3-(4-(3-
- 20 fluorobenzyloxycarbonyl)-1-piperazinyl)propyl group, 4-(4-(3-fluorobenzyloxycarbonyl)-1-piperazinyl)butyl group, 5-(4-(3-fluorobenzyloxycarbonyl)-1-piperazinyl)pentyl group, 3-(4-(4-fluorobenzyloxycarbonyl)-1-piperazinyl)propyl group, 4-(4-(4-
- 25 fluorobenzyloxycarbonyl)-1-piperazinyl)butyl group, 5-(4-(4-fluorobenzyloxycarbonyl)-1-piperazinyl)pentyl group, 6-(4-(4-fluorobenzyloxycarbonyl)-1-piperazinyl)hexyl group, 2-(4-(2,3-dichlorobenzyloxy-

- carbonyl)-1-piperazinyl)ethyl group, 3-(4-(2-chlorobenzyloxycarbonyl)-1-piperazinyl)propyl group, 4-(4-(2-chlorobenzyloxycarbonyl)-1-piperazinyl)butyl group, 5-(4-(2,4,6-trichlorobenzyloxycarbonyl)-1-piperazinyl)pentyl group, 6-(4-(2-chlorobenzyloxycarbonyl)-1-piperazinyl)hexyl group, 2-(4-(3-chlorobenzyloxycarbonyl)-1-piperazinyl)ethyl group, 3-(4-(3-chlorobenzyloxycarbonyl)-1-piperazinyl)propyl group, 4-(4-(3-trichlorobenzyloxycarbonyl)-1-piperazinyl)butyl group, 5-(4-(3-chlorobenzyloxycarbonyl)-1-piperazinyl)pentyl group, 6-(3-chloro-4-methylbenzyloxycarbonyl-1-piperazinyl)hexyl group, 2-(4-(4-chlorobenzyloxy-carbonyl)-1-piperazinyl)ethyl group, 3-(4-(4-chlorobenzyloxycarbonyl)-1-piperazinyl)propyl group, 4-(4-(4-chloro-3-methoxybenzyloxycarbonyl)-1-piperazinyl)butyl group, 5-(4-(4-chlorobenzyloxy-carbonyl)-1-piperazinyl)pentyl group, 6-(4-chloro-benzyloxycarbonyl-1-piperazinyl)hexyl group, 2-(4-(2-methylbenzyloxycarbonyl)-1-piperazinyl)methyl group, 2-(4-(2,4-dimethylbenzyloxycarbonyl)-1-piperazinyl)methyl group, 2-(4-(2,4,6-trimethylbenzyloxycarbonyl)-1-piperazinyl)methyl group, 2-(4-(2-trifluoromethyl-benzyloxycarbonyl)-1-piperazinyl)ethyl group, 3-(4-(3,5-ditrifluoromethylbenzyloxycarbonyl)-1-piperazinyl)propyl group, 4-(4-(2-trifluoromethyl-benzyloxycarbonyl)-1-piperazinyl)butyl group, 5-(4-(2-trifluoromethylbenzyloxycarbonyl)-1-piperazinyl)pentyl

group, 6-(4-(2-trifluoromethylbenzyloxycarbonyl)-1-piperazinyl)hexyl group, 3-(4-(3-trifluoromethylbenzyloxycarbonyl)-1-piperazinyl)propyl group, 4-(4-(3-trifluoromethylbenzyloxycarbonyl)-1-piperazinyl)butyl

5 group, 5-(4-(3-trifluoromethylbenzyloxycarbonyl)-1-piperazinyl)pentyl group, 3-(4-(4-trifluoromethylbenzyloxycarbonyl)-1-piperazinyl)propyl group, 4-(4-(4-trifluoromethylbenzyloxycarbonyl)-1-piperazinyl)butyl

10 group, 5-(4-(4-trifluoromethylbenzyloxycarbonyl)-1-piperazinyl)pentyl group, 6-(4-(4-trifluoromethylbenzyloxycarbonyl)-1-piperazinyl)hexyl group, 2-(4-(3,5-ditrifluoromethylbenzyloxycarbonyl)-1-piperazinyl)ethyl group, 2-(4-(2-methoxybenzyloxycarbonyl)-1-piperazinyl)methyl group, 2-(4-(2,4-

15 dimethoxybenzyloxycarbonyl)-1-piperazinyl)methyl group, 2-(4-(2,4,6-trimethoxybenzyloxycarbonyl)-1-piperazinyl)methyl group, 3-(4-(2-trifluoromethoxybenzyloxycarbonyl)-1-piperazinyl)propyl group, 4-(4-(2-trifluoromethoxybenzyloxycarbonyl)-1-piperazinyl)butyl

20 group, 5-(4-(2-trifluoromethoxybenzyloxycarbonyl)-1-piperazinyl)pentyl group, 6-(4-(2-trifluoromethoxybenzyloxycarbonyl)-1-piperazinyl)hexyl group, 3-(4-(3-trifluoromethoxybenzyloxycarbonyl)-1-piperazinyl)propyl

25 group, 4-(4-(3-trifluoromethoxybenzyloxycarbonyl)-1-piperazinyl)butyl group, 5-(4-(3-trifluoromethoxybenzyloxycarbonyl)-1-piperazinyl)pentyl group, 3-(4-(4-trifluoromethoxybenzyloxycarbonyl)-1-piperazinyl)propyl

group, 4-(4-(4-trifluoromethoxybenzyloxycarbonyl)-1-

piperazinyl)butyl group, 5-(4-(4-trifluoromethoxybenzyloxycarbonyl)-1-piperazinyl)pentyl group, 6-(4-(4-trifluoromethoxybenzyloxycarbonyl)-1-piperazinyl)hexyl group, (3,4-diethoxycarbonyl-1-piperazinyl)methyl group, 4-phenylmethoxycarbonyl-2,5-dimethoxycarbonyl-1-piperazinyl)methyl group or the like.

A piperazinylcarbonyl C1-6 alkyl group (which may be substituted on the piperazine ring by at least one group selected from a group consisting of a C1-6 alkoxy carbonyl group, phenyl C1-6 alkoxy carbonyl group which may have a halogen-substituted or unsubstituted C1-6 alkyl group as a substituent on the phenyl ring and phenyl C1-6 alkyl group which may have at least one group selected from a group consisting of a halogen-substituted or unsubstituted C1-6 alkyl group and phenyl group as a substituent on the phenyl ring) includes a piperazinylcarbonyl C1-6 alkyl group (which may be substituted on the piperazine ring by 1 to 3 groups selected from a group consisting of a C1-6 alkoxy carbonyl group, phenyl C1-6 alkoxy carbonyl group which may have 1 to 3 groups halogen-substituted or unsubstituted C1-6 alkyl groups as a substituent on the phenyl ring and phenyl C1-6 alkyl group which may have 1 to 3 groups selected from a group consisting of a halogen-substituted or unsubstituted C1-6 alkyl group and phenyl group as a substituent on the phenyl ring), for example, a 1-piperazinylcarbonylmethyl group, 2-(2-piperazinylcarbonyl)ethyl group, 1-(3-piperazinyl-

- carbonyl)ethyl group, 3-(4-piperazinylcarbonyl)propyl group, 4-(1-piperazinylcarbonyl)butyl group, 5-(2-piperazinylcarbonyl)pentyl group, 6-(3-piperazinylcarbonyl)hexyl group, 4-tert-butoxycarbonyl-1-
- 5 piperazinylcarbonylmethyl group, 2-(4-tert-butoxycarbonyl-1-piperazinylcarbonyl)ethyl group, 3-(4-tert-butoxycarbonyl-1-piperazinylcarbonyl)propyl group, 4-(4-tert-butoxycarbonyl-1-piperazinylcarbonyl)butyl group, 5-(4-tert-butoxycarbonyl-1-piperazinyl-
- 10 carbonyl)pentyl group, 6-(4-tert-butoxycarbonyl-1-piperazinylcarbonyl)hexyl group, 4-ethoxycarbonyl-1-piperazinylcarbonylmethyl group, 2-(4-ethoxycarbonyl-1-piperazinylcarbonyl)ethyl group, 3-(4-n-propoxy-
- 15 carbonyl-1-piperazinylcarbonyl)propyl group, 4-(4-ethoxycarbonyl-1-piperazinylcarbonyl)butyl group, 5-(4-n-pentyloxycarbonyl-1-piperazinylcarbonyl)pentyl group, 6-(4-n-hexyloxycarbonyl-1-piperazinylcarbonyl)hexyl group, 4-(benzyloxycarbonyl)-1-piperazinylcarbonyl-
- 20 methyl group, 2-(4-benzyloxycarbonyl)-1-piperazinylcarbonyl)ethyl group, 3-(4-(benzyloxycarbonyl)-1-piperazinylcarbonyl)propyl group, 4-(4-(benzyloxycarbonyl)-1-piperazinylcarbonyl)butyl group, 5-(4-benzyloxycarbonyl)-1-piperazinylcarbonyl)pentyl group, 6-(4-(benzyloxycarbonyl)-1-
- 25 piperazinylcarbonyl)hexyl group, 4-(4-methylbenzyloxycarbonyl)-1-piperazinylcarbonyl)methyl group, 4-(2,4-dimethylbenzyloxycarbonyl)-1-piperazinylcarbonyl)methyl group, 4-(2,4,6-trimethyl-

benzyloxycarbonyl)-1-piperazinylcarbonyl)methyl group,
 4-(4-trifluoromethylbenzyloxycarbonyl)-1-piperazinyl-
 carbonylmethyl group, 2-(4-(3,5-ditrifluoromethyl-
 benzyloxycarbonyl)-1-piperazinylcarbonyl)ethyl group,
 5 3-(4-(4-trifluoromethylbenzyloxycarbonyl)-1-
 piperazinylcarbonyl)propyl group, 4-(4-(4-trifluoro-
 methylbenzyloxycarbonyl)-1-piperazinylcarbonyl)butyl
 group, 5-(4-(4-trifluoromethylbenzyloxycarbonyl)-1-
 piperazinylcarbonyl)pentyl group, 6-(4-(4-trifluoro-
 10 methylbenzyloxycarbonyl)-1-piperazinylcarbonyl)hexyl
 group, 4-(2-phenylethoxycarbonyl)-1-piperazinyl-
 carbonyl)methyl group, 2-{4-[2-(4-trifluoro-
 methylphenyl)ethoxycarbonyl]-1-piperazinylcarbonyl}-
 ethyl group, 3-{4-[2-(4-trifluoromethylphenyl)-
 15 ethoxycarbonyl]-1-piperazinylcarbonyl}propyl group, 4-
 {4-[2-(4-methylphenyl)ethoxycarbonyl]-1-
 piperazinylcarbonyl}butyl group, 5-{4-[2-(2,4,6-
 trimethylphenyl)ethoxycarbonyl]-1-
 piperazinylcarbonyl}pentyl group, 6-{4-[2-(4-
 20 trifluoromethylphenyl)ethoxycarbonyl]-1-
 piperazinylcarbonyl}hexyl group, 4-benzyl-1-
 piperazinylcarbonylmethyl group, 4-(4-trifluoro-
 methylbenzyl)-1-piperazinylcarbonylmethyl group, 2-(4-
 (4-trifluoromethylbenzyl)-1-piperazinylcarbonyl)ethyl
 25 group, 3-(4-(4-trifluoromethylbenzyl)-1-piperazinyl-
 carbonyl)propyl group, 4-(4-methylbenzyl)-1-
 piperazinylcarbonylmethyl group, 4-(2,4-dimethyl-
 benzyl)-1-piperazinylcarbonylmethyl group, 4-(2,4,6-

trimethylbenzyl)-1-piperazinylcarbonylmethyl group, 4-
 (4-(4-trifluoromethylbenzyl)-1-piperazinylcarbonyl)-
 butyl group, 5-(4-(3,5-ditrifluoromethylbenzyl)-1-
 piperazinylcarbonyl)pentyl group, 6-(4-(4-trifluoro-
 5 methylbenzyl)-1-piperazinylcarbonyl)hexyl group, 4-(4-
 biphenylylmethyl)-1-piperazinylcarbonylmethyl group, 2-
 (4-(4-biphenylylmethyl)-1-piperazinylcarbonyl)ethyl
 group, 3-(4-(4-biphenylylmethyl)-1-piperazinyl-
 carbonyl)propyl group, 4-(4-(4-biphenylylmethyl)-1-
 10 piperazinylcarbonyl)butyl group, 5-(4-(4-biphenylyl-
 methyl)-1-piperazinylcarbonyl)pentyl group, 6-(4-(4-
 biphenylylmethyl)-1-piperazinylcarbonyl)hexyl group,
 2,4-dibenzyl-1-piperazinylcarbonylmethyl group, 4-
 benzyloxycarbonyl-3-benzyl-1-piperazinylcarbonylmethyl
 15 group, 4-ethoxycarbonyl-2,6-dibenzyl-1-piperazinyl-
 carbonylmethyl group or the like.

A phenylcarbamoyl C1-6 alkyl group which may
 have at least one halogen-substituted or unsubstituted
 C1-6 alkyl group as a substituent on the phenyl ring
 20 includes a phenylcarbamoyl C1-6 alkyl group which may
 have 1 to 3 halogen-substituted or unsubstituted C1-6
 alkyl groups as a substituent on the phenyl ring, for
 example, a 4-methylphenylcarbamoylemethyl group, 2,4-
 dimethylphenylcarbamoylemethyl group, 2,4,6-trimethyl-
 25 phenylcarbamoylemethyl group, 3-ethylphenylcarbamoyle-
 methyl group, 2-n-propylphenylcarbamoylemethyl group, 4-
 n-butylphenylcarbamoylemethyl group, 4-n-pentylphenyl-
 carbamoylemethyl group, 4-n-hexylphenylcarbamoylemethyl

group, 4-trifluoromethylphenylcarbamoylmethyl group, 2-(4-trifluoromethylphenylcarbamoyl)ethyl group, 3-(3,5-ditrifluoromethylphenylcarbamoyl)propyl group, 4-(4-trifluoromethylphenylcarbamoyl)butyl group, 5-(4-trifluoromethylphenylcarbamoyl)pentyl group, 6-(4-trifluoromethylphenylcarbamoyl)hexyl group or the like.

Examples of a benzoxazolyl C1-6 alkyl group (which may have at least one oxo group as a substituent on the benzoxazole ring) include a benzoxazol-2-ylmethyl group, benzoxazol-4-ylmethyl group, benzoxazol-5-ylmethyl group, benzoxazol-6-ylmethyl group, benzoxazol-7-ylmethyl group, 2-(benzoxazol-2-yl)ethyl group, 1-(benzoxazol-4-yl)ethyl group, 3-(benzoxazol-5-yl)propyl group, 4-(benzoxazol-6-yl)butyl group, 5-(benzoxazol-7-yl)pentyl group, 6-(benzoxazol-2-yl)hexyl group, 2-methyl-3-(benzoxazol-4-yl)propyl group, 1,1-dimethyl-2-(benzoxazol-5-yl)ethyl group, (2,3-dihydro-2-oxo-benzoxazol-3-yl)methyl group, (2,3-dihydro-2-oxo-benzoxazol-4-yl)methyl group, (2,3-dihydro-2-oxo-benzoxazol-5-yl)methyl group, (2,3-dihydro-2-oxo-benzoxazol-6-yl)methyl group, (2,3-dihydro-2-oxo-benzoxazol-7-yl)methyl group or the like.

A phenylthiocarbamoyl group which may be substituted on the phenyl ring by at least one halogen atom as a substituent includes a phenylthiocarbamoyl group which may be substituted on the phenyl ring by 1 to 5 halogen atoms as a substituent, for example, a phenylthiocarbamoyl group, 4-fluorophenylthiocarbamoyl

group, 4-chlorophenylthiocarbamoyl group, 4-bromophenylthiocarbamoyl group, 3,4-dichlorophenylthiocarbamoyl group, 3,4,6-trichlorophenylthiocarbamoyl group, 2,3,4,5,6-pentafluorophenylthiocarbamoyl group
5 or the like.

Examples of a C1-8 alkoxy carbonyl group include a methoxy carbonyl group, ethoxy carbonyl group, n-propoxy carbonyl group, n-pentyloxy carbonyl group, n-hexyloxy carbonyl group, n-heptyloxy carbonyl group, n-octyloxy carbonyl group or the like.
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A phenyl C1-6 alkoxy carbonyl group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a halogen atom, C1-6 alkoxy carbonyl group, amino group which may have a C1-6 alkoxy carbonyl group as a substituent, halogen-substituted or unsubstituted C1-6 alkyl group, halogen-substituted or unsubstituted C1-6 alkoxy group, nitro group and C1-6 alkylthio group) includes a phenyl C1-6 alkoxy carbonyl group (which may be substituted on the phenyl ring by 1 to 5, preferably 1 to 3 groups selected from a group consisting of a halogen atom, C1-6 alkoxy carbonyl group, amino group which may have a C1-6 alkoxy carbonyl group as a substituent, halogen-substituted or unsubstituted C1-6 alkyl group, halogen-substituted or unsubstituted C1-6 alkoxy group, nitro group and C1-6 alkylthio group), for example, a benzyloxy carbonyl group, 1-phenethyloxy carbonyl group, 2-phenethyloxy carbonyl group, 3-phenyl-
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- propoxycarbonyl group, 2-phenylpropoxycarbonyl group,
 4-phenylbutoxycarbonyl group, 5-phenylpentyloxycarbonyl
 group, 4-phenylpentyloxycarbonyl group, 6-phenyl-
 hexyloxycarbonyl group, 2-fluorobenzyloxycarbonyl
 5 group, 3-fluorobenzyloxycarbonyl group, 4-fluoro-
 benzyloxycarbonyl group, 2-chlorobenzyloxycarbonyl
 group, 3-chlorobenzyloxycarbonyl group, 4-chloro-
 benzyloxycarbonyl group, 2-bromobenzyloxycarbonyl
 group, 3-bromobenzyloxycarbonyl group, 4-bromo-
 10 benzyloxycarbonyl group, 2-iodobenzyloxycarbonyl group,
 3-iodobenzyloxycarbonyl group, 4-iodobenzyloxycarbonyl
 group, 2,3-difluorobenzyloxycarbonyl group, 3,4-
 difluorobenzyloxycarbonyl group, 3,5-difluorobenzyloxy-
 carbonyl group, 2,4-difluorobenzyloxycarbonyl group,
 15 2,6-difluorobenzyloxycarbonyl group, 2,4,6-trifluoro-
 benzyloxycarbonyl group, 2,3,4,5,6-pentafluoro-
 benzyloxycarbonyl group, 3,4,5-trifluorobenzyloxy-
 carbonyl group, 2,3-dichlorobenzyloxycarbonyl group,
 3,4-dichlorobenzyloxycarbonyl group, 3,5-dichloro-
 20 benzyloxycarbonyl group, 2,4-dichlorobenzyloxycarbonyl
 group, 2,6-dichlorobenzyloxycarbonyl group, 2,4,6-
 trichlorobenzyloxycarbonyl group, 3,4,5-trichloro-
 benzyloxycarbonyl group, 2-trifluoromethylbenzyloxy-
 carbonyl group, 3-methylbenzyloxycarbonyl group, 2,4-
 25 dimethylbenzyloxycarbonyl group, 2,4,6-trimethyl-
 benzyloxycarbonyl group, 3-difluoromethylbenzyloxy-
 carbonyl group, 4-difluoromethylbenzyloxycarbonyl
 group, 4-chloro-3-difluoromethylbenzyloxycarbonyl

- group, 3-chloro-4-difluoromethylbenzyloxycarbonyl
 group, 3-bromo-4-difluoromethylbenzyloxycarbonyl group,
 3,5-difluoro-4-difluoromethylbenzyloxycarbonyl group,
 3,5-ditrifluoromethylbenzyloxycarbonyl group, 3-
- 5 trifluoromethylbenzyloxycarbonyl group, 4-
 trifluoromethylbenzyloxycarbonyl group, 4-fluoro-3-
 trifluoromethylbenzyloxycarbonyl group, 3-fluoro-4-
 trifluoromethylbenzyloxycarbonyl group, 2-
 pentafluoroethylbenzyloxycarbonyl group, 4-chloro-3-
- 10 pentafluoroethylbenzyloxycarbonyl group, 3-chloro-4-
 pentafluoroethylbenzyloxycarbonyl group, 2-
 pentafluoroethylbenzyloxycarbonyl group, 3-
 pentafluoroethylbenzyloxycarbonyl group, 4-
 pentafluoroethylbenzyloxycarbonyl group, 3-
- 15 methoxybenzyloxycarbonyl group, 2,4-dimethoxy-
 benzyloxycarbonyl group, 2,4,6-trimethoxybenzyloxy-
 carbonyl group, 2-trifluoromethoxybenzyloxycarbonyl
 group, 3-trifluoromethoxybenzyloxycarbonyl group, 4-
 trifluoromethoxybenzyloxycarbonyl group, 4-fluoro-3-
- 20 trifluoromethoxybenzyloxycarbonyl group, 3-fluoro-4-
 trifluoromethoxybenzyloxycarbonyl group, 2-
 pentafluoroethoxybenzyloxycarbonyl group, 3-
 pentafluoroethoxybenzyloxycarbonyl group, 4-
 pentafluoroethoxybenzyloxycarbonyl group, 3-chloro-4-
- 25 trifluoromethoxybenzyloxycarbonyl group, 3-chloro-4-
 pentafluoroethoxybenzyloxycarbonyl group, 2-(2-
 trifluoromethylphenyl)ethoxycarbonyl group, 2-(3-
 trifluoromethylphenyl)ethoxycarbonyl group, 2-(4-

- trifluoromethylphenyl)ethoxycarbonyl group, 2-(4-trifluoromethoxyphenyl)ethoxycarbonyl group, 2-(2-pentafluoroethoxyphenyl)ethoxycarbonyl group, 2-(3-pentafluoroethoxyphenyl)ethoxycarbonyl group, 2-(4-
- 5 pentafluoroethoxyphenyl)ethoxycarbonyl group, 3-(2-trifluoromethylphenyl)propoxycarbonyl group, 3-(3-trifluoromethylphenyl)propoxycarbonyl group, 3-(4-trifluoromethylphenyl)propoxycarbonyl group, 3-(2-trifluoromethylphenyl)propoxycarbonyl group, 3-(3-
- 10 trifluoromethoxyphenyl)propoxycarbonyl group, 3-(4-trifluoromethoxyphenyl)propoxycarbonyl group, 3-(3-pentafluoroethoxyphenyl)propoxycarbonyl group, 3-(4-pentafluoroethoxyphenyl)propoxycarbonyl group, 4-(3-pentafluoroethoxyphenyl)butoxycarbonyl group, 5-(4-
- 15 trifluoromethylphenyl)pentylloxycarbonyl group, 4-(4-trifluoromethylphenyl)pentylloxycarbonyl group, 4-(4-trifluoromethoxyphenyl)pentylloxycarbonyl group, 6-(3-trifluoromethylphenyl)hexylloxycarbonyl group, 6-(4-trifluoromethylphenyl)hexylloxycarbonyl group, 6-(4-
- 20 trifluoromethoxyphenyl)hexylloxycarbonyl group, 2-methylthiobenzylloxycarbonyl group, 3-methylthiobenzylloxycarbonyl group, 4-methylthiobenzylloxycarbonyl group, 2-(2-methylthiophenyl)ethoxycarbonyl group, 2-(3-methylthiophenyl)ethoxycarbonyl group, 2-(4-
- 25 methylthiophenyl)ethoxycarbonyl group, 3-(4-methylthiophenyl)propoxycarbonyl group, 4-(4-methylthiophenyl)butoxycarbonyl group, 5-(4-methylthiophenyl)pentylloxycarbonyl group, 6-(4-

- methylthiophenyl)hexyloxycarbonyl group, 2-
 methoxycarbonylbenzyloxycarbonyl group, 3-
 methoxycarbonylbenzyloxycarbonyl group, 4-
 methoxycarbonylbenzyloxycarbonyl group, 2-(2-
 5 methoxycarbonylphenyl)ethoxycarbonyl group, 2-(3-
 methoxycarbonylphenyl)ethoxycarbonyl group, 2-(4-
 methoxycarbonylphenyl)ethoxycarbonyl group, 3-(4-
 methoxycarbonylphenyl)propoxycarbonyl group, 4-(4-
 methoxycarbonylphenyl)butoxycarbonyl group, 5-(4-
 10 methoxycarbonylphenyl)pentyloxycarbonyl group, 6-(4-
 methoxycarbonylphenyl)hexyloxycarbonyl group, 4-n-
 pentyloxycarbonylaminobenzyloxycarbonyl group, 4-
 ethoxycarbonylaminobenzyloxycarbonyl group, 4-
 propoxycarbonylaminobenzyloxycarbonyl group, 4-tert-
 15 butoxycarbonylaminobenzyloxycarbonyl group, 2-(n-
 hexyloxycarbonylaminophenyl)ethoxycarbonyl group, 3-(4-
 tert-butoxycarbonylaminophenyl)propoxycarbonyl group,
 4-(4-tert-butoxycarbonylaminophenyl)butoxycarbonyl
 group, 5-(4-tert-butoxycarbonylaminophenyl)pentyloxy-
 20 carbonyl group, 6-(4-tert-butoxycarbonylaminophenyl)-
 hexyloxycarbonyl group, 2-nitrobenzyloxycarbonyl group,
 3-nitrobenzyloxycarbonyl group, 4-nitrobenzyloxy-
 carbonyl group, 2-(2-nitrophenyl)ethoxycarbonyl group,
 2-(3-nitrophenyl)ethoxycarbonyl group, 2-(4-nitro-
 25 phenyl)ethoxycarbonyl group, 3-(2,4-dinitrophenyl)-
 propoxycarbonyl group, 4-(4-nitrophenyl)butoxycarbonyl
 group, 5-(4-nitrophenyl)pentyloxycarbonyl group, 6-
 (2,4,6-trinitrophenyl)hexyloxycarbonyl group, 2-

aminobenzyloxycarbonyl group, 3-aminobenzyloxycarbonyl group, 4-aminobenzyloxycarbonyl group, 2-(2-amino-phenyl)ethoxycarbonyl group, 2-(2,3-diaminophenyl)-ethoxycarbonyl group, 2-(4-aminophenyl)ethoxycarbonyl group, 3-(2,4,6-triaminophenyl)propoxycarbonyl group, 4-(4-aminophenyl)butoxycarbonyl group, 5-(4-amino-phenyl)pentylloxycarbonyl group, 6-(4-aminophenyl)-hexylloxycarbonyl group, 2-ethoxycarbonylbenzyloxy-carbonyl group, 3-ethoxycarbonylbenzyloxycarbonyl group, 4-methoxycarbonylbenzyloxycarbonyl group, 2-(2-ethoxycarbonylphenyl)ethoxycarbonyl group, 2-(3-ethoxycarbonylphenyl)ethoxycarbonyl group, 2-(4-ethoxycarbonylphenyl)ethoxycarbonyl group, 3-(4-n-butoxycarbonylphenyl)propoxycarbonyl group, 4-(4-n-pentylloxycarbonylphenyl)butoxycarbonyl group, 5-(4-n-hexylloxycarbonylphenyl)pentylloxycarbonyl group, 6-(4-n-ethoxycarbonylphenyl)hexylloxycarbonyl group or the like.

A benzhydryloxycarbonyl group (which may be substituted on the phenyl ring by at least one halogen atom) includes a benzhydryloxycarbonyl group (which may be substituted on the phenyl ring by 1 to 4 halogen atoms), for example, a benzhydryloxycarbonyl group, 3-fluorobenzhydryloxycarbonyl group, 4-fluorobenzhydryloxycarbonyl group, 3,3'-difluorobenzhydryloxycarbonyl group, 3,4'-difluorobenzhydryloxycarbonyl group, 4,4'-difluorobenzhydryloxycarbonyl group, 3,4,4'-trifluorobenzhydryloxycarbonyl group,

3,3',4,4'-tetrafluorobenzhydryloxycarbonyl group,
 2,2',4,4'-tetrafluorobenzhydryloxycarbonyl group,
 3,3',5,5'-tetrafluorobenzhydryloxycarbonyl group, 3-
 chlorobenzhydryloxycarbonyl group, 4-chlorobenz-
 5 hydryloxycarbonyl group, 3,3'-dichlorobenzhydryloxy-
 carbonyl group, 3,4'-dichlorobenzhydryloxycarbonyl
 group, 4,4'-dichlorobenzhydryloxycarbonyl group,
 3,4,4'-trichlorobenzhydryloxycarbonyl group, 3,3',4,4'-
 tetrachlorobenzhydryloxycarbonyl group, 2,2',4,4'-
 10 tetrachlorobenzhydryloxycarbonyl group, 3,3',5,5'-
 tetrachlorobenzhydryloxycarbonyl group or the like.

Examples of a phenyl-substituted or
 unsubstituted phenyl C1-6 alkoxy carbonyl group include
 a benzyloxycarbonyl group, 1-phenylethoxycarbonyl
 15 group, 2-phenylethoxycarbonyl group, 3-phenylethoxy-
 carbonyl group, 2-phenylpropoxycarbonyl group, 4-
 phenylbutoxycarbonyl group, 5-phenylpentoxycarbonyl
 group, 4-phenylpentoxycarbonyl group, 6-phenylhexyloxy-
 carbonyl group, 2-biphenylylmethoxycarbonyl group, 2-
 20 (2-biphenylyl)ethoxycarbonyl group, 3-(2-biphenylyl)-
 propoxycarbonyl group, 4-(2-biphenylyl)butoxycarbonyl
 group, 5-(2-biphenylyl)pentoxycarbonyl group, 6-(2-
 biphenylyl)hexyloxycarbonyl group, 3-biphenylylmethoxy-
 carbonyl group, 2-(3-biphenylyl)ethoxycarbonyl group,
 25 3-(3-biphenylyl)propoxycarbonyl group, 4-(3-
 biphenylyl)butoxycarbonyl group, 5-(3-biphenylyl)-
 pentoxycarbonyl group, 6-(3-biphenylyl)hexyloxycarbonyl
 group, 4-biphenylylmethoxycarbonyl group, 2-(4-

biphenyl)ethoxycarbonyl group, 3-(4-biphenyl)-propoxycarbonyl group, 4-(4-biphenyl)butoxycarbonyl group, 5-(4-biphenyl)pentoxycarbonyl group, 6-(4-biphenyl)hexyloxycarbonyl group or the like.

- 5 Examples of a pyridyl C1-6 alkoxy-carbonyl group include a 2-pyridylmethoxycarbonyl group, 3-pyridylmethoxycarbonyl group, 4-pyridylmethoxycarbonyl group, 2-(2-pyridyl)ethoxycarbonyl group, 2-(3-pyridyl)ethoxycarbonyl group, 2-(4-pyridyl)ethoxy-
- 10 carbonyl group, 3-(2-pyridyl)propoxycarbonyl group, 3-(3-pyridyl)propoxycarbonyl group, 3-(4-pyridyl)propoxycarbonyl group, 4-(2-pyridyl)butoxycarbonyl group, 4-(3-pyridyl)butoxycarbonyl group, 4-(4-pyridyl)butoxycarbonyl group, 5-(2-pyridyl)pentyloxycarbonyl group,
- 15 5-(3-pyridyl)pentyloxycarbonyl group, 5-(4-pyridyl)-pentyloxycarbonyl group, 6-(2-pyridyl)hexyloxycarbonyl group, 6-(3-pyridyl)hexyloxycarbonyl group, 6-(4-pyridyl)hexyloxycarbonyl group or the like.

- Examples of a C1-6 alkoxy-substituted C1-6
- 20 alkoxy-carbonyl group include a methoxymethoxycarbonyl group, methoxyethoxycarbonyl group, 1-ethoxyethoxycarbonyl group, n-propoxymethoxycarbonyl group, n-butoxymethoxycarbonyl group, n-pentyloxymethoxycarbonyl group, n-hexyloxymethoxycarbonyl group, 1-methoxy-
- 25 ethoxycarbonyl group, 2-ethoxyethoxycarbonyl group, 2-n-propoxyethoxycarbonyl group, n-butoxymethoxycarbonyl group, n-pentyloxymethoxycarbonyl group, n-hexyloxymethoxycarbonyl group, 3-methoxypropoxycarbonyl group,

4-methoxybutoxycarbonyl group, 5-methoxypentyloxy-carbonyl group, 6-methoxyhexyloxycarbonyl group or the like.

A piperaziny1 C1-6 alkoxycarbonyl group
 5 (which may be substituted on the piperazin ring by at least one group selected from a group consisting of a C1-6 alkoxycarbonyl group and phenyl C1-6 alkoxy-carbonyl group which may have as a substituent at least one halogen atom on the phenyl ring, as a
 10 substituent) includes a piperaziny1 C1-6 alkoxycarbonyl group (which may be substituted on the piperazin ring by 1 to 3 groups selected from a group consisting of a C1-6 alkoxycarbonyl group and phenyl C1-6 alkoxycarbonyl group which may have as a
 15 substituent 1 to 5 halogen atom on the phenyl ring, as a substituent), for example, a (1-piperaziny1)methoxy-carbonyl group, 2-(2-piperaziny1)ethoxycarbonyl group, 1-(3-piperaziny1)ethoxycarbonyl group, 3-(4-piperaziny1)propoxycarbonyl group, 4-(1-piperaziny1)-
 20 butoxycarbonyl group, 5-(2-piperaziny1)pentyloxy-carbonyl group, 6-(3-piperaziny1)hexyloxycarbonyl group, 2-methyl-3-(1-piperaziny1)propoxycarbonyl group, 1,1-dimethyl-2-(4-piperaziny1)ethoxycarbonyl group, 2-(1-piperaziny1)ethoxycarbonyl group, 2-(4-methoxy-carbonyl-1-piperaziny1)ethoxycarbonyl group, 2-(4-
 25 ethoxycarbonyl-1-piperaziny1)ethoxycarbonyl group, 2-(4-n-propoxycarbonyl-1-piperaziny1)ethoxycarbonyl group, 2-(4-tert-butopoxycarbonyl-1-piperaziny1)-

ethoxycarbonyl group, 2-(4-sec-butoxycarbonyl-1-piperazinyl)ethoxycarbonyl group, 2-(4-n-pentyloxycarbonyl-1-piperazinyl)ethoxycarbonyl group, 2-(4-n-hexyloxycarbonyl-1-piperazinyl)ethoxycarbonyl group, 2-
5 (4-benzyloxycarbonyl-1-piperazinyl)ethoxycarbonyl group, 2-(4-phenylethoxycarbonyl-1-piperazinyl)-ethoxycarbonyl group, 2-(4-(3-phenylpropoxycarbonyl-1-piperazinyl)ethoxycarbonyl group, 2-(4-(2-fluorobenzyloxycarbonyl-1-piperazinyl)ethoxycarbonyl group,
10 2-(4-(4-fluorobenzyloxycarbonyl-1-piperazinyl)ethoxycarbonyl group, 2-(4-(4-chlorobenzyloxycarbonyl-1-piperazinyl)ethoxycarbonyl group, 2-(4-(3-chlorobenzyloxycarbonyl-1-piperazinyl)ethoxycarbonyl group, 2-(4-(2-bromobenzyloxycarbonyl-1-piperazinyl)-
15 ethoxycarbonyl group, 2-(4-(2-chlorobenzyloxycarbonyl-1-piperazinyl)ethoxycarbonyl group, 2-(4-(3,4-difluorobenzyloxycarbonyl-1-piperazinyl)ethoxycarbonyl group, 2-(4-(2,3,4,5,6-pentafluorobenzyloxycarbonyl-1-piperazinyl)methoxycarbonyl group, 2-(4-(2,4-
20 dichlorobenzyloxycarbonyl-1-piperazinyl)ethoxycarbonyl group, 2-(4-(2,4,6-trichlorobenzyloxycarbonyl-1-piperazinyl)ethoxycarbonyl group, (3,4-methoxycarbonyl-1-piperazinyl)thoxycarbonyl group, (2,5-methoxycarbonyl-4-benzyloxycarbonyl-1-piperazinyl)methoxy-
25 carbonyl group or the like.

A phenoxycarbonyl group (which may be substituted on the phenyl ring by at least one group selected from a group consisting of a C1-6 alkyl group

and C1-6 alkoxy group) includes a phenoxycarbonyl group (which may be substituted on the phenyl ring by 1 to 3 groups selected from a group consisting of a C1-6 alkyl group and a C1-6 alkoxy group), for example, a

5 phenoxycarbonyl group, 2-methylphenoxycarbonyl group, 3-methylphenoxycarbonyl group, 4-methylphenoxycarbonyl group, 2-ethylphenoxycarbonyl group, 3-ethylphenoxy-carbonyl group, 4-ethylphenoxycarbonyl group, 4-propylphenoxycarbonyl group, 4-tert-butylphenoxy-

10 carbonyl group, 4-butylphenoxycarbonyl group, 2,3-dimethylphenoxycarbonyl group, 3,4,5-trimethylphenoxy-carbonyl group, 4-pentylphenoxycarbonyl group, 4-hexylphenoxycarbonyl group, 2-methoxyphenoxycarbonyl group, 3-methoxyphenoxycarbonyl group, 4-methoxy-

15 phenoxycarbonyl group, 2-ethoxyphenoxycarbonyl group, 3-ethoxyphenoxycarbonyl group, 4-ethoxyphenoxycarbonyl group, 4-propoxyphenoxycarbonyl group, 4-tert-butoxyphenoxycarbonyl group, 4-n-butoxyphenoxycarbonyl group, 2,3-dimethoxyphenoxycarbonyl group, 3,4,5-

20 trimethoxyphenoxycarbonyl group, 4-pentoxypheoxy-carbonyl group, 4-hexyloxyphenoxycarbonyl group, 2-methyl-4-methoxyphenoxycarbonyl group or the like.

A benzoyl group (which may be substituted on the phenyl ring by at least one halogen-substituted or

25 unsubstituted C1-6 alkyl group) includes a benzoyl group (which may be substituted on the phenyl ring by 1 to 3 halogen-substituted or unsubstituted C1-6 alkyl groups), for example, a benzoyl group, 2-methylbenzoyl

group, 3-methylbenzoyl group, 4-methylbenzoyl group, 2-ethylbenzoyl group, 3-ethylbenzoyl group, 4-ethylbenzoyl group, 4-n-propylbenzoyl group, 4-tert-butylbenzoyl group, 4-n-pentylbenzoyl group, 4-n-hexylbenzoyl group, 2,3-dimethylbenzoyl group, 3,4-dimethylbenzoyl group, 2,4,6-trimethylbenzoyl group, 2-trifluoromethylbenzoyl group, 3-trifluoromethylbenzoyl group, 4-trifluoromethylbenzoyl group, 4-pentafluoroethylbenzoyl group, 2,3-difluoromethylbenzoyl group, 3,4-trifluoromethylbenzoyl group or the like.

A phenyl C2-6 alkanoyl group (which may be substituted on the phenyl ring by at least one halogen-substituted or unsubstituted C1-6 alkyl group) includes a phenyl C2-6 alkanoyl group (which may be substituted on the phenyl ring by 1 to 3 halogen-substituted or unsubstituted C1-6 alkyl groups), for example, a phenylacetyl group, 3-phenylpropionyl group, 4-phenylbutyryl group, 5-phenylpentanoyl group, 6-phenylhexanoyl group, 2-methylphenylacetyl group, 3-methylphenylacetyl group, 4-methylphenylacetyl group, 2-trifluoromethylphenylacetyl group, 3-trifluoromethylphenylacetyl group, 4-trifluoromethylphenylacetyl group, 3-(2,4-dimethylphenyl)propionyl group, (2,4,6-trimethylphenyl)acetyl group, 3-(2-methylphenyl)propionyl group, 3-(3-methylphenyl)propionyl group, 3-(4-methylphenyl)propionyl group, 3-(2-trifluoromethylphenyl)propionyl group, 3-(3-trifluoromethylphenyl)-

propionyl group, 3-(4-trifluoromethylphenyl)propionyl group, 3-(3,5-dimethylphenyl)propionyl group, 4-(4-trifluoromethylphenyl)butyryl group, 5-(4-trifluoromethylphenyl)pentanoyl group, 6-(3,5-difluoromethylphenyl)hexanoyl group, 4-(4-trifluoromethylphenyl)-butyryl group, 5-(4-pentafluoroethylphenyl)pentanoyl group, 6-(4-pentafluoroethylphenyl)hexanoyl group or the like.

Examples of a phenoxy C2-6 alkanoyl group (which may be substituted on the phenyl ring by 1 to 3 halogen atoms) include a phenoxyacetyl group, 3-phenoxypropionyl group, 4-phenoxypropionyl group, 5-phenoxypropionyl group, 6-phenoxypropionyl group, 4-(4-chlorophenoxy)butyryl group, 5-(4-chlorophenoxy)-pentanoyl group, 6-(4-chlorophenoxy)hexanoyl group, 2-fluorophenoxyacetyl group, 3-fluorophenoxyacetyl group, 4-fluorophenoxyacetyl group, 2-chlorophenoxyacetyl group, 3-chlorophenoxyacetyl group, 4-chlorophenoxyacetyl group, 4-bromophenoxyacetyl group, 2,3-difluorophenoxyacetyl group, 2-fluoro-4-chlorophenoxyacetyl group, 3,5-difluorophenoxyacetyl group, 2,4,6-trichlorophenoxyacetyl group, 3-(2-fluorophenoxy)-propionyl group, 3-(3-fluorophenoxy)propionyl group, 3-(4-fluorophenoxy)propionyl group, 3-(2-chlorophenoxy)-propionyl group, 3-(3-chlorophenoxy)propionyl group, 3-(4-chlorophenoxy)propionyl group, 3-(4-bromophenoxy)-propionyl group, 3-(2,3-difluorophenoxy)propionyl group, 3-(2-fluoro-4-chlorophenoxy)propionyl group, 3-

(3,5-difluorophenoxy)propionyl group, 4-(4-fluorophenoxy)butyryl group, 5-(4-bromophenoxy)pentanoyl group, 6-(4-chlorophenoxy)hexanoyl group, 4-(4-chlorophenoxy)butyryl group, 5-(4-iodophenoxy)pentanoyl group, 6-(4-chlorophenoxy)hexanoyl group or the like.

A piperaziny C2-6 alkanoyl group (which may be substituted on the piperazin ring by at least one group selected from a group consisting of a C1-6 alkanoyl group; phenyl C1-6 alkyl group which may have on the phenyl ring at least one group, as a substituent, selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group; phenyl C1-6 alkoxycarbonyl group which may have on the phenyl ring at least one group, as a substituent, selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and a halogen-substituted or unsubstituted C1-6 alkoxy group; phenylcarbamoyl C1-6 alkyl group which may have on the phenyl ring at least one group, as a substituent, selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group; phenylcarbamoyl which may have on the phenyl ring at least one group, as a substituent, selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or

unsubstituted C1-6 alkoxy group; and benzoxazolyl group) includes a piperazinyl C2-6 alkanoyl group (which may be substituted on the piperazin ring by 1 to 3 groups selected from a group consisting of a C1-6 alkanoyl group; phenyl C1-6 alkyl group which may have on the phenyl ring 1 to 5, preferably 1 to 3 groups, as a substituent, selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group; phenyl C1-6 alkoxycarbonyl group which may have on the phenyl ring 1 to 5, preferably 1 to 3 groups, as a substituent, selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group; phenylcarbamoyl C1-6 alkyl group which may have on the phenyl ring 1 to 5, preferably 1 to 3 groups, as a substituent, selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and halogen-substituted or unsubstituted C1-6 alkoxy group; phenylcarbamoyl which may have on the phenyl ring 1 to 5, preferably 1 to 3 groups, as a substituent, selected from a group consisting of a halogen atom, halogen-substituted or unsubstituted C1-6 alkyl group and a halogen-substituted or unsubstituted C1-6 alkoxy group; and benzoxazolyl group), for example, a 1-piperazinylacetyl group, 3-(2-piperazinyl)propanoyl group, 4-(3-piperazinyl)butyryl group, 4-(4-

- piperazinyl)pentanoyl group, 5-(1-piperazinyl)pentanoyl group, 6-(2-piperazinyl)hexanoyl group, 4-acetyl-1-piperazinylacetyl group, 3-(4-propionyl-1-piperazinyl)propionyl group, 3-(4-butyryl-1-
- 5 piperazinyl)butyryl group, 4-(4-pentanoyl-1-piperazinyl)butyryl group, 5-(4-hexanoyl-1-piperazinyl)pentanoyl group, 6-(4-acetyl-1-piperazinyl)hexanoyl group, 4-benzyl-1-piperazinylacetyl group, 3-[(4-(2-phenylethyl)-1-
- 10 piperazinyl]propionyl group, (4-acetyl-3-benzyl-1-piperazinyl)acetyl group, (4-benzyloxycarbonyl-2-benzyl-1-piperazinyl)acetyl group, (4-phenylcarbamoyl-2,6-dibenzyl-1-piperazinyl)acetyl group, 4-[4-(1-phenylethyl)-1-piperazinyl]butyryl group, [4-(3-
- 15 phenylpropyl)-1-piperazinyl]butyryl group, 5-[4-(5-phenylpentyl)-1-piperazinyl]pentanoyl group, 6-[4-(6-phenylhexyl)-1-piperazinyl]hexanoyl group, 4-(4-phenylbenzyl)-1-piperazinylacetyl group, 3-[4-(3-fluorobenzyl)-1-piperazinyl]propionyl group, 4-[4-
- 20 (2,3,4,5,6-pentafluorobenzyl)-1-piperazinyl]butyryl group, 4-[4-(2,4-dichlorobenzyl)-1-piperazinyl]butyryl group, 5-[4-(2,4,6-trichlorobenzyl)-1-piperazinyl]-pentanoyl group, 6-[4-(4-methylbenzyl)-1-piperazinyl]-hexanoyl group, [4-(4-trifluoromethylbenzyl)-1-
- 25 piperazinyl]acetyl group, [4-(3,5-ditrifluoromethylbenzyl)-1-piperazinyl]acetyl group, [4-(2,3-dimethylbenzyl)-1-piperazinyl]acetyl group, [4-(2,4,6-trimethylbenzyl)-1-piperazinyl]acetyl group, 6-[4-(4-

methoxybenzyl)-1-piperazinyl]hexanoyl group, [4-(4-trifluoromethoxybenzyl)-1-piperazinyl]acetyl group, [4-(3,5-ditrifluoromethoxybenzyl)-1-piperazinyl]acetyl group, [4-(2,3-dimethoxybenzyl)-1-piperazinyl]acetyl group, [4-(2,4,6-trimethoxybenzyl)-1-piperazinyl]acetyl group, 3-(4-benzyloxycarbonyl-1-piperazinyl)propionyl group, 4-(2,4-dichlorobenzyloxycarbonyl-1-piperazinyl)-acetyl group, 3-(4-benzyloxycarbonyl-1-piperazinyl)-butyryl group, 4-(4-benzyloxycarbonyl-1-piperazinyl)-butyryl group, 5-(4-benzyloxycarbonyl-1-piperazinyl)-pentanoyl group, 6-(4-benzyloxycarbonyl-1-piperazinyl)-hexanoyl group, 3-(4-(2-fluorobenzyloxycarbonyl)-1-piperazinyl)propionyl group, 3-(4-(2-fluorobenzyloxycarbonyl)-1-piperazinyl)butyryl group, 4-(4-(2-fluorobenzyloxycarbonyl)-1-piperazinyl)butyryl group, 5-(4-(2,3,4,5,6-pentafluorobenzyloxycarbonyl)-1-piperazinyl)pentanoyl group, 6-(4-fluorobenzyloxycarbonyl)-1-piperazinyl)hexanoyl group, 3-(4-(2,3-difluorobenzyloxycarbonyl-1-piperazinyl)butyryl group, 4-(4-(3-fluorobenzyloxycarbonyl-1-piperazinyl)butyryl group, 5-(4-(3-fluorobenzyloxycarbonyl-1-piperazinyl)-pentanoyl group, 3-(4-(4-fluorobenzyloxycarbonyl-1-piperazinyl)butyryl group, 4-(4-(4-fluorobenzyloxycarbonyl-1-piperazinyl)butyryl group, 5-(4-(4-fluorobenzyloxycarbonyl)-1-piperazinyl)pentanoyl group, 6-(4-(4-fluorobenzyloxycarbonyl)-1-piperazinyl)hexanoyl group, 3-(4-(2-chlorobenzyloxycarbonyl)-1-piperazinyl)-propionyl group, 3-(4-(2-chlorobenzyloxycarbonyl)-1-

- piperazinyl)butyryl group, 4-(4-(2-chlorobenzyloxycarbonyl)-1-piperazinyl)butyryl group, 5-(4-(2-chlorobenzyloxycarbonyl)-1-piperazinyl)pentanoyl group, 6-(2,4,6-trichlorobenzyloxycarbonyl)-1-piperazinyl)hexanoyl group, 3-(4-(3-chlorobenzyloxycarbonyl)-1-piperazinyl)-propionyl group, 3-(4-(3-chlorobenzyloxycarbonyl)-1-piperazinyl)butyryl group, 4-(4-(3-chlorobenzyloxycarbonyl)-1-piperazinyl)butyryl group, 5-(4-(3-chlorobenzyloxycarbonyl)-1-piperazinyl)pentanoyl group, 6-(3-chlorobenzyloxycarbonyl-1-piperazinyl)hexanoyl group, 2-(4-(4-chlorobenzyloxycarbonyl)-1-piperazinyl)-propionyl group, 3-(4-(4-chlorobenzyloxycarbonyl)-1-piperazinyl)butyryl group, 4-(4-(4-chlorobenzyloxycarbonyl)-1-piperazinyl)butyryl group, 5-(4-(4-chlorobenzyloxycarbonyl)-1-piperazinyl)pentanoyl group, 6-(4-chlorobenzyloxycarbonyl-1-piperazinyl)hexanoyl group, (4-(2-methylbenzyloxycarbonyl)-1-piperazinyl)-acetyl group, (4-(2,4-dimethylbenzyloxycarbonyl)-1-piperazinyl)acetyl group, (4-(2,4,6-trimethylbenzyloxycarbonyl)-1-piperazinyl)acetyl group, 4-(2-methoxybenzyloxycarbonyl)-1-piperazinyl)acetyl group, (4-(2,4-dimethoxybenzyloxycarbonyl)-1-piperazinyl)acetyl group, (4-(2,4,6-trimethoxybenzyloxycarbonyl)-1-piperazinyl)-acetyl group, (4-(3,5-ditrifluoromethylbenzyloxycarbonyl)-1-piperazinyl)acetyl group, (4-(3,5-ditrifluoromethoxybenzyloxycarbonyl)-1-piperazinyl)-acetyl group, 3-(4-(2-trifluoromethylbenzyloxy-

carbonyl)-1-piperazinyl)propionyl group, 3-(4-(2-trifluoromethylbenzyloxycarbonyl)-1-piperazinyl)butyryl group, 4-(4-(2-trifluoromethylbenzyloxycarbonyl)-1-piperazinyl)butyryl group, 5-(4-(2-trifluoromethylbenzyloxycarbonyl)-1-piperazinyl)pentanoyl group, 6-(4-trifluoromethylbenzyloxycarbonyl)-1-piperazinyl)hexanoyl group, 3-(4-(3-trifluoromethylbenzyloxycarbonyl)-1-piperazinyl)butyryl group, 4-(4-(3-trifluoromethylbenzyloxycarbonyl)-1-piperazinyl)butyryl group, 5-(4-(3-trifluoromethylbenzyloxycarbonyl)-1-piperazinyl)pentanoyl group, 3-(4-(4-trifluoromethylbenzyloxycarbonyl)-1-piperazinyl)butyryl group, 4-(4-(4-trifluoromethylbenzyloxycarbonyl)-1-piperazinyl)butyryl group, 5-(4-(4-trifluoromethylbenzyloxycarbonyl)-1-piperazinyl)pentanoyl group, 6-(4-(4-trifluoromethylbenzyloxycarbonyl)-1-piperazinyl)hexanoyl group, 2-(4-(2-trifluoromethoxybenzyloxycarbonyl)-1-piperazinyl)propionyl group, 3-(4-(2-trifluoromethoxybenzyloxycarbonyl)-1-piperazinyl)butyryl group, 4-(4-(2-trifluoromethoxybenzyloxycarbonyl)-1-piperazinyl)butyryl group, 5-(4-(2-trifluoromethoxybenzyloxycarbonyl)-1-piperazinyl)pentanoyl group, 6-(4-trifluoromethoxybenzyloxycarbonyl)-1-piperazinyl)hexanoyl group, 3-(4-(3-trifluoromethoxybenzyloxycarbonyl)-1-piperazinyl)butyryl group, 4-(4-(3-trifluoromethoxybenzyloxycarbonyl)-1-piperazinyl)butyryl group, 5-(4-(3-trifluoromethoxybenzyloxycarbonyl)-1-piperazinyl)pentanoyl group, 3-(4-(4-

- trifluoromethoxybenzyloxycarbonyl)-1-piperazinyl)-
 butyryl group, 4-(4-(4-trifluoromethoxybenzyloxy-
 carbonyl)-1-piperazinyl)butyryl group, 5-(4-(4-
 trifluoromethoxybenzyloxycarbonyl)-1-piperazinyl)-
 5 pentanoyl group, 6-(4-(4-trifluoromethoxybenzyloxy-
 carbonyl)-1-piperazinyl)hexanoyl group, 4-
 phenylcarbamoylemethyl-1-piperazinylacetyl group, 3-(4-
 phenylcarbamoylemethyl-1-piperazinyl)propionyl group, 4-
 (4-fluorophenylcarbamoylemethyl-1-piperazinyl)acetyl
 10 group, 3-(4-(2,3,4,5,6-pentafluorophenylcarbamoylemethyl)-1-piperazinyl)propionyl group, 4-(4-
 chlorophenylcarbamoylemethyl-1-piperazinylacetyl group,
 3-(4-(3,4-dichlorophenylcarbamoylemethyl)-1-
 piperazinyl)propionyl group, 4-(4-methylphenyl-
 15 carbamoylemethyl)-1-piperazinylacetyl group, 3-(4-(2,4-
 dimethylphenylcarbamoylemethyl)-1-piperazinyl)propionyl
 group, 4-(4-methoxyphenylcarbamoylemethyl)-1-
 piperazinylacetyl group, 3-(4-(2,4,6-trimethoxyphenyl-
 carbamoylemethyl)-1-piperazinyl)propionyl group, 3-(4-
 20 (4-trifluoromethylphenylcarbamoylemethyl)-1-
 piperazinyl)propionyl group, 4-(4-trifluoromethoxy-
 phenylcarbamoylemethyl)-1-piperazinylacetyl group, 3-(4-
 (4-trifluoromethoxyphenylcarbamoylemethyl)-1-
 piperazinyl)propionyl group, 4-phenylcarbamoylemethyl-1-
 25 piperazinylacetyl group, 3-(4-phenylcarbamoylemethyl-1-
 piperazinyl)propionyl group, 4-(4-fluorophenyl-
 carbamoylemethyl-1-piperazinyl)acetyl group, 3-(4-(2,3,4,5,6-
 pentafluorophenylcarbamoylemethyl)-1-piperazinyl)propionyl

group, 4-(4-chlorophenylcarbamoyl-1-piperazinylacetyl
 group, 4-(2,4-dichlorophenylcarbamoyl-1-piperazinyl-
 acetyl group, 4-(2,6-dichlorophenylcarbamoyl-1-
 piperazinylacetyl group, 3-(4-(4-chlorophenyl-
 5 carbamoyl)-1-piperazinyl)propionyl group, 4-(4-
 methylphenylcarbamoyl-1-piperazinylacetyl group, 3-(4-
 (3,4-dimethylphenylcarbamoyl)-1-piperazinyl)propionyl
 group, 4-(4-methoxyphenylcarbamoyl-1-piperazinylacetyl
 group, 3-[4-(2,4,6-trimethoxyphenylcarbamoyl)-1-
 10 piperazinyl]propionyl group, 3-(4-(4-trifluoro-
 methylphenylcarbamoyl)-1-piperazinyl)propionyl group,
 4-(3,5-ditrifluoromethoxyphenylcarbamoyl)-1-
 piperazinylacetyl group, 3-(4-(4-trifluoro-
 methoxyphenylcarbamoyl)-1-piperazinyl)propionyl group,
 15 3-(4-(4-fluorophenylcarbamoyl)-1-piperazinyl)propionyl
 group, 3-(4-(4-methylphenylcarbamoyl)-1-piperazinyl)-
 propionyl group, 3-(4-(4-methoxyphenylcarbamoyl)-1-
 piperazinyl)propionyl group, 4-(2-benzoxazolinyl)-1-
 piperazinylacetyl group, 3-(4-(2-benzoxazolinyl)-1-
 20 piperazinyl)propionyl group, 4-(4-(2-benzoxazolinyl)-1-
 piperazinyl)butyryl group, 5-(4-(2-benzoxazolinyl)-1-
 piperazinyl)pentanoyl group, 6-(4-(2-benzoxazolinyl)-1-
 piperazinyl)hexanoyl group or the like.

A phenylcarbamoyl group (which may be
 25 substituted on the phenyl ring by 1 to 3 groups
 selected from a group consisting of a halogen atom,
 amino group which may have a C1-6 alkyl group as a
 substituent, carboxyl group, C1-6 alkoxy carbonyl